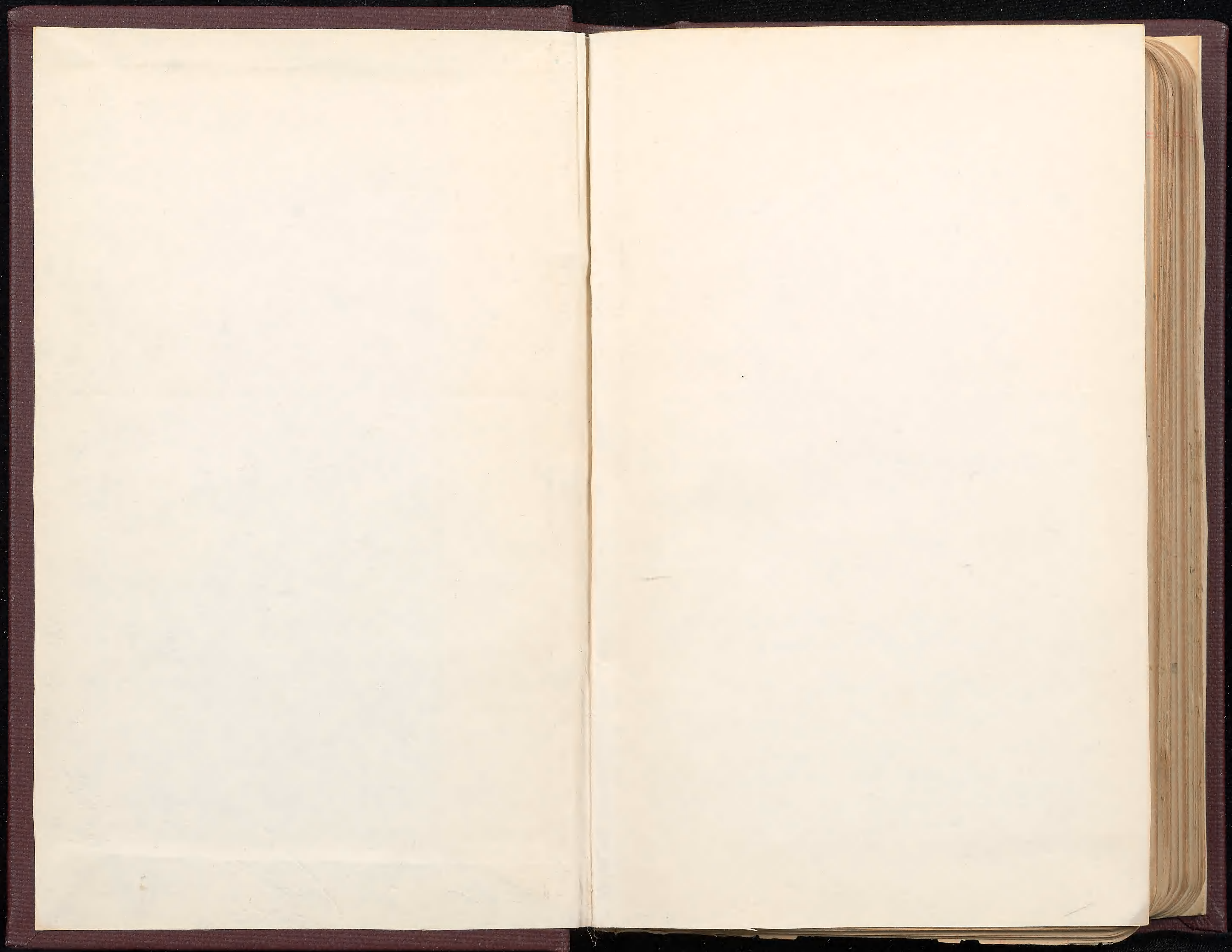


OCK

50

12



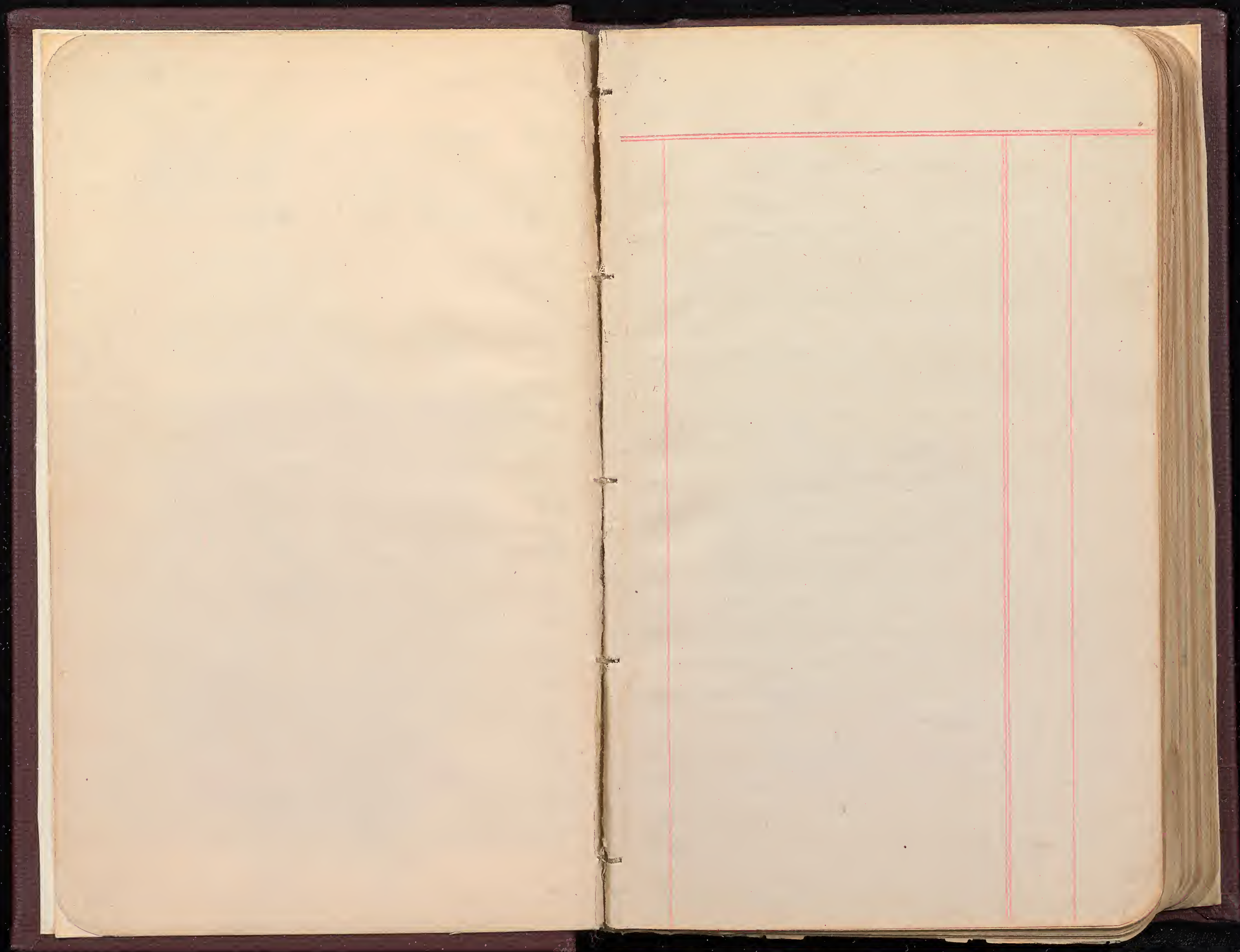
Bundles of Plant, and
 1-3 Culebra
 1-8 Sept. 14 - Culebra (12)
 1-15 " 21 Culebra
 1-23 Oct. 17 Culebra

nos. 7842-8236

Paragurus in Salton Lake (Plot 10)
 growing in 6-7 ft water - no soil
 level. but some loss from initial in
 probably due to. Sp. Very long
 runners. W. of Ry

Hymenocallis 3-4 ft. 2. of Ry
 1 patch co. 5 ft. same P. bartramia

W. of Ry - P. bartramia 6-7 ft
 a Cyperus with runners.
 a long grass - bright green, no inflorescences
 from floating colonies, may grow from
 bottom but apparently not. 8 ft water
 some papyrus in with it.



Leonardtown Md.

7842 *Panicum* (cornu?)

7843 *Panicum aquilonale*

7844 *Panicum nutans* Koenig

7845 *P. racemellum*

7846 *P. longifolium*

7847 *Caryx*

7848 *Andropogon*

7849 *Eragrostis pectinacea*

7850 *Carex*

7851 *Cyperus*

7852 *Carex*

7853 *Carex*

7854 *Mucola*

1911

Aug. 3, 1911

Along road in woods

ditto

Low place along road in woods

Sandy oak woods

Along road in woods

Along Creek

Sandy - clay bank

Sandy wood side

moist place

Sandy ground

moist place

ditto

Edge of woods

7555 Phynchospora

7556 Panicum anceps

7557 Syntherisma (filiformis)

7558 Paspalum (multidentatum)

7559 Carex

7560 Panicum stipitatum

7561 Carex

7562 Panicum obliquum

7563 Paspalum (perlongum?)

7564 Scirpus leucophorum

7565 Carex

7566 Carex

Moist sandy spot in woods

along road in moist woods

Sandy river side

& ditches

Moist woods, sandy

Marsh in water
(St. Mary River)

ditch (St. Mary River)

ditch ditch

Sandy roadside (California)

Sandy bog ditch

Sandy woods. "

Moist place "

Calipurna

7867 *Panicum (albescens)*

7868 *Eleocharis*

7869 *Panicum anceps*

7870 *Panicum angustifolium*
Millstone hill

7871 *Andropogon tuberculatus*

7872 *Cyperus*

7873 *Andropogon carolinianus*

7874 *Elymus (virginicus)*

7875 *Panicum laevigatum*

7876 *Leptochloa (procumbens)*

7877 *Spartina glabra*

7878 *Panicum addisonii*

Sandy roadside

Moist sandy ditch

Moist roadside

Sandy roadside

Aug 8.

Sandy beach

dells

Sandy plain back of marsh

Sandy plain near beach

Sandy ground near beach

Prostrate bunch, sandy
beach, stem decumbent and
ascending at apex,
along beach in sandy pool

Sandy beach

7879 Scirpus (americanus)

Sandy pool on beach

7880 Chaetochloa intermedia

ditto.

7881 Cyperus

Sandy beach

7882 Cyperus

ditto.

7883 Trinervia spadiosa

ditto

7884 Spartina patens

Beach at edge of pool, all
seedlings young, out into the
water

7885 Cyperus

Sandy beach

7886 Tripsacum dactyloides

Sandy beach.

7887 Scirpus robustus

Sandy beach

7888 Scirpus (macrosporus)

ditto.

7889 Ammophila arenaria

ditto.

7850 *Chenopodium marginatum*

Brushy swamp beside
beach. Among Hibiscus, etc.
Annual! 1 to 5 ft tall

7851 *Elymus glaucus* Fairhaven Aug 5

Bank along road in woods

7852 *Carex*

Low place in open ground

Oulebra - Canal zone

Aug. 26 - 1911

8684

seed

Panicum alpinum
Creeping & rooting at nodes

Open ground along road
Fl. culms ascending 6-72 inches

7894

seed

Helios - aurea
along road

In a bunch, open ground

7895

seed

Panicum (don't think it is *trichanthum*)
Panicum *trichanthum* Nees
Panicum *trichanthum* Nees

On cut-off hill side
at the road, the creeping branches
forming a dense tangled mass
2-3 ft high and several yds. across.
Among low shrubs on a hillside.

7896

seed

Valeriana

7897

seed

Panicum polosum
Wilicaria in shade

Among bushes among wild
rooting at the nodes.

7898

seed

photo

Chaetochloa
Chaetochloa speciosa (Nees)

Bushy herb, fl. stems in
pairs, persisting long after spts. fall.

7899

seed

photo

Paspalum pericarpium
Stems long & decumbent

Springy hillside, forming mass, late
dormant with old leaves. Sterile shoots, flab.

7900

seed

Panicum lupinum
long & creeping

Side of ditch along road, base

Culebra

7901 *Dactyloctenium aegyptium*,
ex

7902 *Paspalum* (dist?) (broadly)
seed Post of more.

7903 *Paspalum* (virgatum)
seed photo hillside.

7904 *Paspalum* (sacchariflorum)
seed photo Green herb like *P. virgatum*

7905 *Hemipogon*
hill side.

7906 *Chaetochloa* 7858
Physalis

leaves in succulent, later perianth. These sometimes only 2-3
long & compound - white in color. 1 1/2 ft long old bristles much longer
Chaetochloa speciosa (Nees)

7907 *Paspalum paniculatum*
seed photo roadside - brown, grassy

7908 *Panicum fasciculatum*
brown or yellow

Culebra

Along road not common here

Wet ground on hillside with

Rich grass & shrubs, along by on

among shrubs on hillside
Base long & decumbent, Fl. stem 3-6 ft.

Wet place among shrubs on

Open ground near hotel along
road 2 ft to 6 ft.

Herb. panicum is perianth. - 3 ft.

Culebra

7909 ³ *Paspalum conjugatum*
stoloniferous or runners that root at the nodes, common in open ground.

7910 *Eleusine indica*

7911 ^{set} *Sporobolus indicus*²

7912 ³ *Axonopus compressus*

7913 *Axonopus compressus*

7914 ^{set} *Amorpha viridis*
sandy soil
set 10/11
pencil when in flower

7915 *Syntherisma sanguinalis*

7916 *Syntherisma digitata*
dew makes the setae

Culebra

della - seed and long roots at the nodes, common in open

della - a common weed

della - a common weed in towns

della common in open ground
this year on new land the runner was abundant

della - a common form - an old runner attached

della - common - the spikes are

della - common.

della - in the morning the very conspicuous.

Culebra

Pedro Miguel to Culebra

7917 *Corydalis*
3-4 ft high - black
Pedro Miguel

ditto - a large bush
underneath mangrove like cover.
Aug 28 Pedro Miguel to Culebra

7918 *Lepidobolus virgatus*
mostly in open

Hill side, January shrubs &c.
moderately dry ground
along edge of jungle on hill side

7919 *Olyra*
a woody stem, much branched. Specimens show
many a stem with one of many branches & a young shoot.

7920 *Panicum maximum*
common - in bunches - not abundant

Open ground along by, rather
abundant in some places. Spec.
shows branching, in patches per. the
lower branches are whorled
Open grass ground,

7921 *Chaetochloa umbellata*
ex

7922 *Echinodorus coloratus*

Open ground - abundant and
not common

7923 *Capriola dactyloides*

Open ground - common in patches &
along trees.

7924 *Chloris (missa)*
seed

Along Ry - a weed
This was common near Panama

7925 *Eriopogon ciliaris*

moist along Ry

7926 *Chaetochloa*
Rhynchospora = 7838
side of cut along

Small specimens growing on
rich & boggy

7927 *Chaetochloa speciosa* (Nees)
Eriopogon (palea)

Open new ground along Ry

7928 *Axonopus* - tall, saw no flowers, among grass along Ry

7929 *Hachelochloa*

among grass along Ry

7930 *Eriopogon* - perennial

among grass along Ry

7931 *Panicum barbinode* - Pan. grass. Common in open ground
photo The only flower seen so far.

7932 *Panicum fasciculatum* - a much branched spec.
with small panicles.

7933 *Panicum trichoides*

Shady place under high board walk - (Culebra)

7934 *Impatiens (brachyandra)*
Seed

Moist place edge of jungle along railroad on hillside

7935 *Phytolacca (affinis)*
photo wild banana tree, near Culebra

Cut off jungle, among trees at this date. Aug. 28 38

7936 *Andropogon (laevigatus)*

Prunus (golf links)

7937 *Andropogon (macranthus)*
wet clumps

Along side of cut on Ry

7938 *Andropogon (bicoloris)*
near 7937

ditto - wet clumps - taken

7939 *Paspalum decumbens*
+ 7938. Annual

Common grass along with 7937

7940 *Mimosa (to color)*

Hemialepis atropurpurea

edge of grassy field
creeping up an old stump, rooting in the dead bark

Aug. 29

from low damp soil, along with particular specimen on stump, rooting in the dead bark

79 7941¹ *Syntherisma*

in cinders along creek

79 7942³ *Panicum pilosum*?
seed seen very large fr

in swamp with *Pan. all.*
pilos. and *Panicum* even compound

79 7943³ *Panicum polygrammum*
seed allis.

Swamp, with 7942 + *Pan.*

79 7944 *Panicum allisum*
seed

Swamp. a & b are one plant.

79 7945² *Homalium*
seed photo

Swampy place - probably same
as 7905 - but *Pan* very spreading

79 7946⁵ *Gynura*?

Long reed in swamp, (photo)

79 7947¹ *Cyperus distylus*
photo Cristobal (Colombia)
in the swamp

Along 28
the form *distylus* along

79 7948¹ *Sorghum halepense*

Along Ry

7949

Candery

7950

Empress (to Bas, Obispo) Reg

Big Bamboo

as much as 40 ft high
leaves from 10 to 15 in (a to b)

7951

Aplisium

sterile

7952

bamboo (also grass?)

7953

Andropogon brevifolius?

Pedro Miguel

7954

Problema indicum

7955

Lonicera Sweetgum?
all given some damp

7956

Passiflora peruviana
get stems brownAlong Ry - seems stopped
from Chou I have color
C. virensRich purple along river wall
bamboo spec with long & small
also young shoot spec of stem in w. & branches
which is diam.
shady purple.

purple. (sterile)

steep, several acres of hill
sterile (yesterday) 51

Aug. 30

showing spreading patches
along Ry fill.Purple along Ry - a to b Small shape
leaves, 3 young shoot, up to 10 in longAlong fill, Ry. bushes and some
mosses & small up fl. shoots.

7957 *Panicum (lin. solen?)*
seed photo
root stalks. 4-5 ft

fringe along Ry. Champs - red
cliff

7958 *Edmonstonea crassifolia*
New grass in cut along Ry

(probably the soft spikel form)

7959 *Chusquea?* small
young shoot & young

on 305 leaves of old shrub
short developing leaves.

7960 *Paspalum decumbens*
May be same as 7935

perennial along side of cut, Ry
but here was annual

7961 *Panicum procumbens*

fringe on top of cut near Corajal
(5. 10. 11) 57

Bogoma Sept. 1.

7962 *Paspalum decumbens*

on the fringe of a rocky cut

7963 *Panicum attenuatum*
Covering the ground near

on a gravelly flat near stream
a wet bank of river. several ft. long

7964 *Panicum procumbens*
Decid. herb with

in muddy place. dull - 1000
with stiff hairs

Set

7965¹ *Panicum polygamum*
Set

7966¹ ———— sterile
open new ground

7967³ *Satureia* (swamp & mud some)
Hemlock *alexandria* swamp

7968³ *Panicum* (lupinus) *panicum* large swamp.

7969¹ *Paspalum* (new species) Swamp

7970¹ *Andropogon* (sterile) *Panicum* in swamp.

7971¹ *Andropogon* *Panicum* in swamp

7972¹ *Andropogon* probably = 7971, later but
in lower clumps.

along ditch in cut 7977

monocotylis *ferax* *runners* &
by R. *Mamei*
Sept. 2

7973⁴ *Paspalum minus*

plains in swamp, forming
a carpet between clumps
of *Andropogon*

7974³ *Panicum ligularis*
damp mass.

along edge of swamp - a 1907

7975² *Eragrostis* (perennial)

ditch in cut

7976² *Axonopus* (ater n. sp.
(compressus?))

no runners, along side of cut,

7977¹ *Panicum dichotomiflorum* Michx.
Panicum chlorostachyon
set
trifid in the more open places
looks different from *P. dichot.*

Open new ground, very pro-
mune ascending when thick. Bluish-green
moniflorous - note short blades. Salem

7978¹ *Paspalum* (minor)
set
postrace

Open new ground, Salem
is this = 7573?

7979¹ *Sporobolus* (indica)
spreading

common in open ground, parva

7980¹ *Panicum polypodioides*

Open new and ground
Salem

7981² *Paspalum plicatula*
differs from 7565

7982¹ *Andropogon bicornis*

7983¹ *Alysa*

7984¹ *Panicum procerum*

7985¹ *Paspalum* ^{lelebra} brown x

7986² ^{Corozal} *Eragrostis* (perennial) Sept 4

7987¹ *Axonopus (aureus)*
small pale

7988¹ *Paspalum* (monocot) ^{filosum}

7988² *Thrasya* mixed in
l. whitifolia Swallen type

Open ground. Leaves on

Pracini

purple

Side of cut (to start) 64

Sept 3

Open ground in lawn, probably

Along R. Tending to be planted

Pracini, abundant in this
of pracini, with 7588 & Andropogon

Pracini - abundant also

same

7989 *Andropogon (leucostachyus)*
Set

7990 *Paspalum decumbens*

7991 *Paspalum (plicatulum)*
(7981 & 7969)

7992 *Panicum pilosum*

7993 *Panicum hypnum*

7994 *Andropogon (No. 2)*
Vicinity of Panama

7995 *Paspalum plicatulum*

7996 *Paspalum (vaghirola?)*
in Balboa. The leaves
erect, numerous. These

Andropogon (leucostachyus)
very typical - but Balboa

Panicum (leucostachyus) on
edge of cove.

Seeds digged from ocher
Baron March 1902

Panicum stellatum

Panicum stellatum

Sagittaria
along R.

edges
along swamp

decumbent swamp - bristly
stems with inflated sheaths
larger than the flower culms.

7997 *Panicum glaucocephalum* near swamp - Bolbo 1898

7998 *Paspalum notatum* in meadow or lawn on hill - Ancon 1898

7999 *Echinochloa (Columbiana)* marshy swamp. 1898

8000 *Lehrmannia (Panicum)* on shady side of cut in 1898
Panicum Dec. near Bolbo
The distinct *Panicum* mostly on dense stems with dark leaves.

8001 *Cenchrus* 3 along field at Bolbo 1898
growing with 101 (C. viridis) but distinct

8002 *Holcus halapensis* along field - rare (1898) 1898

8003 *Panicum* Sept. 6 Savanna a little of city.
Lehrmannia green, on edge of pond, old ponds present 1898

8004 *Paspalum glaucocephalum* along road Savanna 1898

8005⁴ *Paspalum* ^{brown} (stiff brown

leaves) along ditch in water 8005

8006¹ *Heteropogon*

along road in grass 8006

8007¹ *Hemilochus* *lignosus*

in water of ditch 8007

8008² *Paspalum* brown

Savanna 8008

8009² *Paspalum* *notatum*

Savanna 8009

8010³ *Paspalum*

Savanna 8010

8011³ *Paspalum* (candelabra group)

Edge of clump forest 8011

Syntherisma

8012³ *Aeluropus* (barboursii group)

Savanna 8012

8013³ *Andropogon* (tall & slender) Savanna or prairie on hill 8108

8014¹ *Panicum glaberrimum* grassy place along ditch 8108

8015¹ *Panicum trichanthum* edge of jungle 8108

8016¹ *Panicum pilosum* edge of jungle 8108

8017² *Paspale minor?* Savanna 8108

8018⁴ *Axonopus* side of ditch & savanna 8108

8019¹ *Axonopus* (tall) *Andropogon*? Edge of jungle 8108
grows in large clumps, the culms sterile, which fall over, and are used as a sign of spreading, not descent. I saw no runners.

8020¹ *Paspalum* (dense) swampy place 8108

8021' *Sparganium* (indica)

8022' *Panicum* ^{Culebra Dept} ~~tridens~~
more branched than

8023' *Echinochloa* - sterile

8024' *Paspalum*

8025' *Paspalum*?
cut among Andes

8026' *Phytolacca* (charoeblo)
set = 7855 but *terrestris*
Echinochloa ^{sp. nov.} (Nees)
Solanum ^{lept.}?

8027' *Panicum* ^{lept.}
Presbyt - *colandry*

8028' *Paspalum* *compressum*

Common on savanna, 1882

Shady place on golf course
7933

Shady place on golf course
much *sp.* abundant in
sample (no 7941)

Common on golf course

Aspect of *Panicum* side of
savanna etc. (2 4011?)

along top of cut in open ground
sandy soil, from cut off growth.

As it grows on new land

det to *terrestris* & fl. culture

8 8029 *Panicum polyanthum*
fruticose - caespitose

8 8030 *Hymenocallis americana*
Anthers in 3-4 ft of water

8 8031 $\frac{1}{2}$ *Panicum barbinode* Trin.

8 8031 *Paspalum* ~~*fruticose*~~ ^{*repens*}
Lake - a common decumbent
Cristobol Sept. 8.

8 8032 *Eragrostis ciliaris*

8 8033 *Andropogon scoparius*

8 8034 *Paspalum vaginatum*

8 8035 *Sperobolus indicus*
in the marsh

8 8036 *Sperobolus* (but *Sperobolus* *sp.*)
Set long roots

as it grows on new ground

Water running forming large
swale - mostly shrub now
(Sept. 8) 79

Water Lake, growing in 6-7 ft water

Flowing stream in Saline
in flood - shoots for flowering on
the water.

New Dock 13, tide flat.

Dry place in tide flat.

Tide flat

Tide flat. This looks like

Tide flat, producing

Canal Zone

Toro Power. Sept. 9

8037 *Sporobolus* = 8036

8038 *Andropogon misc.*

8039 *Leptochloa virgata*

8040 *Chorizanthe*
rich flat

8041 *Sporobolus* (indian)

8042 *Paspalum conjugatum*

8043 *Cenchrus ciliaris*

8044 *Panicum polyanthemum*

also seen {
Pomp. comp.
Aster. comp.
Sper. sang.
Eleusine indica

rich flat

1898

very - hillside in rich flat

rich flat

1898

Shady elevation

1898

rich flat

1898

rich flat

1898

elevation in rich flat

ditch

1898

8045' *Paspalum saccharifolium*

Hill in low jungle

8046' *Chaetochloa*
Chaetochloa speciosa (Nees)

detto

8047³ *Paspalum decumbens*
of hill in red

Open wet ground on top
of hill

8048' *Gynemeria*

Jungle on top of hill

8049' *Imperata*

Open grass land on hill

8050' *Andropogon*

8051' *Panicum*

Low jungle on hill

8052' *Eragrostis*

along beach

- 8053² *Colonia*
- 8054¹ *Lonicera quercifolia*
- 8055¹ *Paspalum paniculatum*
- 8056¹ *Andropogon (viridatus)*
- 8057¹ *Panicum fasciculatum*
- 8058¹ *Syntherisma salicifolia*
- 8059⁴ *Paspalum* ^{Culebra Sept 10} brown x
- 8060³ *Lonicera compacta* ^{Panamá - Sept 11}
Panicum, long
 no small blades

- Along beach
- Impatiens hill
- New ground
- Open ground - near
- Open ground
- Wet ground (54) 81
- Open grass land
- Inscribed along coast of
 woods of glens, black lake

8061⁴ *Eragrostis plicosa*

In lawn at Ancora 1808

8062² *Taboera Island*
Chacablos cedrus

Sept 12

Lawn of Sanctarium

8063¹ *Axonopus compressus*

ditto

1808

8064¹ *Amelanchier canadensis*

ditto

1808

8065³ *Panicum glaberrimum*

ditto

1808

8066¹ *Sporobolus (indicus)*

ditto

1808

8067² *Panicum molle*

ditto - on stone wall

8068⁴ *Lonicera conjugata*
young plants narrow

fringe along shore
old open

8069' *Paspalum* (^{can.} *canadense*)
microstachyum

8070' *Viola* (near *pauciflora*) Same bush (= *V. Pittieri* Hack)
fl. culms are a brown. Root several feet long

8071' *Paspalum pauciflorum* Lawn

8072' *Eragrostis ciliaris* Lawn

8073' *Chenopodium* (no 1) - Same bush

8074' *Deschampsia cesp.* Lawn

8075' *Eragrostis indica* Pond-side and bush

8076' *Panicum fasciculatum* ditches

8077¹ *Agrostis trichosperma*

8078² *Syntherisma selen*

8079² *Panicum fasciculatum*

8080¹ *Panicum mexicanum*

8081² *Leptochloa filiformis*

8082¹ *Paspalum bingolense*

8083³ *Panicum polyanthum*

8084¹ *Andropogon inermis*

ditto

Ward in field

Ward

Postern

Ward in pineapple field

Postern

along path in woods

Gunny hill

8085 *Chusquea*

8086 *Maurandia* ^{the pet of}
^{my sister}
⁸⁰⁹¹

8087 *Panicum procerrum*

8088 *Paspalum decursum*

8089 *Agave*
lanceolata - the bulb

8090 *Trichostema*

8091 *Andropogon* (tender)

8092 *Thrasya*

lanceolata

lanceolata

Cyperus on *Rocky* hill
Black, velvet

Rocky hill

Large tree bush
of *gum* on *chase*, hills - (5th) 89

Rocky, grassy hill

Grassy, wet hill
= 8086

hills

8093 ² ~~Urochloa~~ ~~Chaco~~
Chaetochloa speciosa (Nees)

8094 ¹ *Pennis, glauca*

8095 ⁶ *Pennisetum*

8096 ² *Paspalum* ^{pectinatum} (Shelley)

8097 ¹ *Urochloa insularis*

8098 ² *Pennisetum* Sept 13
Urochloa

8099 ¹ *Paspalum (ceruicarium)*

8100 ¹ *Eragrostis*

Along slope of jungle

Guinea grass pasture

Top of rocky hill, *Hydrocotyle*
found on island

Rocky grassy hill

Fidel

Along sand beach, *Urochloa*

Along sandy beach

Side of road through
brushy *Urochloa* *Urochloa*
brush

8101

Eleocharis californica

30

Manneri Sept. 15

8102

Cyperus

8103

Cyperus

8104

Cyperus

8105

Cyperus

8106

Cyperus

8107

Trinobrylites

8108

Eleocharis

Jung in low ground

(55) 95

Cinders

Detrital along track

ditto

ditto

ditto

ditto

ditto

8109' *Cyperus ligularis* L
Taberville Sept 15

8110' *Cyperus*

8111' *Eragrostis plumosa*
Set

8112' *Panicum giganteum*

8113' *Scleria*

8114' *Paspalum fasciculatum*
Set

8115' *Paspalum pedunculatum*
Culebra Sept 15
Set

8116' *Zinnia*

Along Ry

Murray place near shore

Lawn

Along cut

Along cut a grass

Lawn ground

Along cut only

chill

8117' Kyllinga

8118' Eleocharis

8119' Decromena

8120' Cyperus

8121' Cyperus

8122' ~~Ptychopogon~~ Panama
Chorrera Sept 16

8123' Paspal. nua

8124' Pasp. biculata

ditto

ditto

Muehlenbergia

Along Ry in ditch

ditto

2 sp of grass

Common on the prairie

Common on the prairie

8125' Eleocharis

8126' Rhyssolus (3)

8127' Eleocharis

8128' Cyperus

8129³ *Samolus* *alveus*

8130⁶ Paspalum (Dumetum?)
(8130a Anemone)

8131' Androp.
et.

8132' Rhyssolus

Slough

ditto

ditto

ditto

Widely creeping on
bare wooded hill

Washed hill

ditto

Slough in water

8 8133 Cyperus

8 8134 Panicum laxum

8 8135² Rhynchospora

8136 Paspalum notatum

8 8137¹ Eragrostis perennis

8 8138 Paspalum (plicatulum)

8139 Panicum polyanthemum

8140⁴ Paspalum (monostachyum)

8140¹⁰ Thrasya

Shrub

Shrub

Prairie

Prairie

Low prairie

Low prairie

In water of stream

Edge of copse on hill

" " " " "

8141² *Paspalum* ^{*pedunculatum*} *decumbens*

8142³ Androp.

8143³ Androp.

8144' *Homolocum* *flexa*

8145' Andropogon *tenuis*

8146' Androp. (Comm.)

8147¹⁰ Panicum (tenuis group)

8148' *Axonopus* (alvaradensis)

8169 *Paspalum* *gambianum*

In copse on hill

Washed hill, fl. culms
decumbent-creeping.

ditto.

Slough

Dry hill

Dry hill

Dry wooded hill, in
little ravine.

Savanna, common

"

"

8169. *Paspalum* no. 7 by westland lucc.
Set, [on the papers this is no. 8148]
8170, *Arctostaphylos*, *Savanna*

8149 *Syntherisma*
Set

8150 *Chusquea*

8151 *Paspalum*

8152 *Hackelia*

8153 *Eragrostis*

8154 $\frac{1}{2}$ "

8154 *Andropogon*
Set

Pt Chama Sept 18
Mucola Pittier Hack

8155 *Mucola*
Set

8156 *Volcan* (in *Savanna*?)

Prairie, *Savanna*,
clay or gravelly places. Perennial
small shrubs

Woods near *Prairie*

Along *Road*

Along *Road*

Satch

wooded hill
by wooded hill
Savanna

Sandy *Seaboard*

Sandy *field* & *beach*

8157¹ Aristida ? stercor.

8158¹ Valota usulata

8159³ Syntherisma

8160¹ Cyperus

8161¹ Eriopogon ciliatus

8162¹ Cyperus

8163⁶ Syntherisma

8164¹ Carex

Scarcely fested - anterior
of sand spot

ditto

ditto

ditto

ditto

ditto

ditto

ditto

Prostrate & widely
spreading

8165 ^{set} *Paspalum* ^{hispidum} ~~terrestris~~

delle, probably = 8095

8166 ¹ *Cyperus*

delle

8167 ^{set} *Panicum* (albidum)

in depression just back of
dike, base decumbent & creeping

8168 ^{set} *Panicum* *multicorne*
Young leaves green
sp. mostly black
at apex of culm

young field back of
dike - common, spreading
decumbent at base (5 ft.) 105

8169 This m. used after 8/18

8170 ✓ delle

8171 ¹ Boquete - Sept. 28
Chusquea *umbellata*

Hillside. The brush has been
cut off & the field grown up to rank grass & weeds

8172 ⁶ *Panicum* *sphaerocarpum*
a somewhat open
→ has ligule!

Under the other grass in
place

8173⁴ Andropogon (veterina?)

Large clumps, ditto

8174¹ Muhlenbergia (large pan)

Large clump - ditto
mostly not yet in flower

8175⁴ Andropogon (very
reclining stems)

Clumps of many slender

8176¹⁰ Symplocarion (all perennating)

Large clumps, erect, ditto

8177⁴ Paspalum plicatulum

Large clumps - ditto

8178⁵ Panicum bicoides

Among the tall grasses
ditto

8179⁴ Panicum urinalis

Pasture

8180¹ Eleusine indica

Door yard

8181¹ Sedge

On hill with 81738c

8182¹ Androp. bicolor

ditto tall clumps
erect

8183⁵ ~~Muhlenbergia~~ ^{argyrodinella}

ditto - tall erect clumps

8184⁴ Sorghastrum
the base of culm

ditto - tall, erect clumps
very slender & somewhat decum-
bent

8185¹ Androp. (cervicoides)

erect clumps

8186³ Paspal leumboldii

ditto

8187¹ Cyperus

ditto

8188⁴ Trachypogon

erect long clumps
usually in several spots
at base of large one

8189⁴ *Panicum (olivaceum)*

Under the fallen grass
ditto

8190³ *Paspalum*

Long clumps ditto

8191⁴ *Axonopus (tristachya?)*

Long tall clumps.
ditto

8192⁴ *Paspalum (dimorphum?)* hairy, ditto

8193¹ *Purpurea conjugata*

Open ground in yard.

8194⁵ *Oplismenus* — Side of Volcano — mostly

4000-5000 ft. — Below 1st camp. Sept 29
in deep shady woods, on the
left moved.

8195³ *Leucanthemum*

ditto

8196⁶ *Panicum*

ditto.

8197³ *Festuca*
ex

8198⁴ *Zingiber*

8199⁵ *Lasiacis*
shrub - Low & straggling

8200⁸ *Chusquea*
3 ex

8201⁴ *Lasiacis* -

8202¹ *Grass?*

8203¹ *Uncaria*

8204¹ *Carex*

Open places in woods
erect. Clumps - foliage soft

In somewhat open places
in rich mould

Rich woods, mostly
2-3 ft high

Large bamboo, deep woods
& in out of place

Deep woods, 2-3 ft. high
straggling

Woods climbing

8205² *Delonix*

Between camp & summit of

8206⁴ *Aegagropogon*

8206^{1/2} *Chusquea*

8207⁶ *Agrortis*?

8208³ *Testacea*

8209⁵ *Visetia*?

8210⁴ *Brachypodium*

8211 *Chusquea*
on the upper shrubs

8212 *Agave*

Chusquea Sept. 30

Open stony place 9500 ft ^{2700 m.}
In a savanna, dry, between
bushes & large grass

Shrubs, in the open place between
large grass

On edge of this savanna in
large bushes

In savanna [an open
grassy level valley at about 9000
ft]

at dinner camp in
moist spot in thicket

The common bamboo
of the savanna
Savanna

8213 *Luzula*

8214³ *Bromus*

8215⁷ *Cyperus*

near Savannah

8216^r ~~*Agrostis*~~ *Rhynchospora*

8217^r *Agrostis*

8218^r *Leptopogon*

8219^r *Bromus*?

8220^r *Festuca*

Savannah

common in Savannah

common in Swamps, in one
place a large area of this

~~Savannah~~ in woods

at summit of Peak

at summit of Peak

Small ravine above timber
near summit, not seen lower

near summit

The savanna is an
open grassy level valley
at about 9000 ft. (= 2700 m)

8221² *Trisetum*

8222¹ *Calamagrostis*

8223³ *Agrostis*
Calamagrostis

8224⁴ *Trisetum*

8225¹ *Festuca*

8226⁴ *Festuca*

8227² *Festuca*

8228¹ *Calamagrostis*
Poa

Near summit

Below summit

Savanna

Savanna - probably
the same as 8221

Savanna

Savanna

Below Savanna

Savanna - probably =
8222

8229² *Arisaema*
Open place in upper
woods.

8230² *Paspalum*. *Savatum*
along bank above
Boquete

8231³ *Arisaema*
Along roadside

8232¹ *Paspalum*
River bed

8233¹ *Syntherisma sanguineum*
River bed

8234² *Paspalum* *minu*
Pasum - common

8235¹ *Paspalum* (*stellat.*)
Steep grassy hillside
Mostly not in flower

8236² *Arisaema*
Steep hill side

Vicinity of Boquete Oct. 2

462.46
81.71
380.75

6422

Sum 1
Mm 2
Lus 3
Wal 4
Shu 5
Kz

P/KK 28- Culebra Oct 18
(25) 25 Puntarenas " 27

(13)

nos. 8237-8621

8285-8330- first set
labels written, dupl.
waiting for more
labels.



Bozenti common with 8171

Oct 2 1911

Vicinity of Bozenti

8237' Andropogon (Tener)

8238' Andropogon (Tener)

8239' Andropogon (Tener)

8240' Androp. lanceolata

8241' Eriosema?

8242' Mikania

8243' Androp (Tener)

8244' Serjania

(Continued from Book 1)

Grassy hill side

Grassy hill side

Grassy hill side
8237-39 may be forms
of one species

Grassy hill side

Grassy hill side - now
in flower

ditto - ditto

Grassy hill side

Grassy hill side
probably = 8184

8245³ *Lysichiton* (velvet)

Ditch

8246² *Andropogon* (tender)

Wet hill side

8247³ *Manisuris*

Swamp (open, sunny)

8248¹ *Sporobolus indicus*

Common along roadsides
in fields & pastures

8249¹ *Agropyron*

Wet bank

8250⁴ *Pennisetum*

Sunny bank

8251¹ *Scirpus*

Open swamp

8252¹ *Panicum olivaceum*

Ditch along road

8253 *Trisetum?*

berry bank among shrubs

8254 *Elymus*

berry bank

8255 *Cyperus*

swamp

8256 *Elymus*

"

8257 *Elymus*

"

8258 *Andropogon*

swamp - open, sunny

8259 *Cyperus*

swamp

8260 *Ficaria*

"

8261¹ *Pteranotis*?

Large reed in swamp
not in flower

8262² *Syntherisma* (Tall)

Ditch, among shrubs,
tall & straggling, seen in
perennial.

8263¹ *Eleocharis*

Swamp

8264¹ *Kyllinga*

clites

8265⁴ *Saccharum capense*

Swamp, open area,

^{- Boquet}
8266¹ *Panicum barbinode*

up the river about 3 miles)
Road side near river

8267⁸ *Sasine*

Edg. of jungle. Steep straggling
tangling below, more usual 3 ft. No strong shoots or
canes formed - all panicles ascending

8268⁴ *Ischaemum*

Edg. of jungle, straggling
& spreading - Ripe sp. brown.

8269 *Lasiacis* - forming strong caudex & stems
Edge of jungle - caudex 15 ft high - branches and
much clustered Pan. near to beach, sandy

8270 *Lasiacis* - May be same as 8269 but
is mostly horizontal with 8269 in pubescent

8271 *Panicum (Costaricensis)* Edge of jungle - also in hedge
rows of straggling branching
and ascending, 4 or 5 ft. Rooting below

8272 *Paspalum paniculatum* - weed along road

8273 *Ichnanthus* - Edge of jungle - in shade
in open - ascending, if shaded, 3-5 ft. - prostrate - spreading

8274 *Ichnanthus* - Abnormal form of 8273

8275 *Panicum (Costaricensis)* Edge of jungle - hedge rows of
straggling & ascending branching, & rooting at nodes below

8276 *Ichnanthus* - Along road side in shade of
hedge, May be same as
8273 but blades broader &
Pan. smaller

- | | | |
|--------------------|--|---|
| 8277 ⁴ | <i>Isachne</i> (arundinacea) | Edge of jungle along river |
| 8278 ¹⁰ | <i>Panicum paniculatum</i> | Along hedge row - straggling
branching - as much as 5 ft high |
| 8279 ² | <i>Neurortia</i> | Wet in garden |
| 8280 ² | <i>Pan. chinensis</i> | Along clay bank |
| 8281 ³ | <i>Lasiacis</i>
Have not observed
the plant is strong & much
other species seen | Edge of jungle. 4-6 ft high
any strong canes or shoots, but
outlets, blades are long when any |
| 8282 ³ | <i>Lasiacis</i>
= 82109, shoots & fls
leaves | Edge of jungle, probably
poles but four strong |
| 8283 ² | <i>Panicum procerum</i> | Edge of jungle on bank |
| 8284 ¹ | <i>Andropogon</i> | Open place on hill side |

- Oct 4, south of Laramie on bluff about 1/2 way across
- 8285' *Chaetochloa* (in *Chaetochloa* in trail, bushes
short but probably the same as others of this group)
- 8286' *Lasiacis* (several) - tall, four or five
comes several feet high. *Panicum* always small
- 8287' *Cyperus* (*Paspalum*) Swampy place
- 8288' *Sporobolus indicus* Large bunch 50-100 culms
seems to be native,
- 8289' *Andropogon macrocarpus* along river
- 8290' *Elymus* along river
- 8291' *Chenopodium* (vertical) along river
- 8292' ³ *Paspalum* (*Plicatulum*) Grassy hill side

- 8293¹ *Paspalum* (flaccidum) blades pubescent below
grassy hillside
- 8294² *Hackelochloa* ~~gracilis~~ *gracilis* grassy hillside
- 8295² *Andropogon* (rectivernus) grassy hillside
- 8296³ *Elymus* grassy hillside
Large bunches
- 8297³ *Paspalum* (stellata group) side of grassy bluff
- 8298¹ *Paspalum* (dimorphum) grassy hillside
- 8299⁶ *Panicum* ~~millegrain~~ *millegrain* ^{Trail across river sand} up hill side through coffee plant,
low rich ground in edge of
jungle - spreading branching
- 8300¹ *Homalocenchrus* moist jungle

8301³ *Panicum uncinatum*

As a alluvium in open ground, blades small & culms
creeping, 3 through 4

8302¹ *Cephaelis Schumacheri*

Along trail in jungle

Blades small & culms
here was *Cephaelis*
jungle.

8303¹ *Panicum* (nsp.)

Edge of jungle

8304¹ *Cephaelis*

Path in jungle

8305⁴ *Panicum paniculatum*

Edge of jungle

8306¹ *Schumacheria*

Trail in jungle

8307⁵ *Arundinella*

Large clumps near
river

8308⁴ *Pharus*

Along trail on hill-
side in jungle

8309^r *Optisacum*

8310^r *Lithachne*

8311^r *Lonicera* (sweet)

8312^r *Optisacum*

8313^r *Panicum* in sp

8314^r *Syntherisma sanguin.*

On hill n.w. of hotel Oct 5

8315^r *Lasiacis*

Shoot 15 feet long

8316^r *Muhlenbergia* (small)

ditto

ditto

ditto

ditto

ditto, creeping & trailing
in shade

As it grows in boulder patch

grows on hillside

On bare rock at top of hill

8317⁴ *Panicum* ^{virgultorum Hay} ~~(Panicum)~~

at base of rock at top of hill.

8318⁴ *Ischaemum*

Side of bank in dense shady woods

8319² *Sorghum* *cazianum*

High up on dry grassy hill.

8320³ *Arundinella* *hispida*?

Grassy hill side - Mucklenburg
This is what I called
small specimens

8321² *Setaria*

Setaria

8322¹ *Phragmites*

Setaria

8323¹ *Sedge*

Setaria

8324¹ *Scleria*

8325¹ *Scleria*
~~Furcata~~

8326¹ *Scleria*

8327¹ *Carex*

8328¹ *Panicum* (Cortesia)

8329³ *Ischnanthus*

8330¹ *Trachypogon*

8331¹ *Muhlenbergia* *linella*
On road toward Dolega - 10/6

8332³ *Paspalum* (*naucoryctes*)
auratis

della

della

In jungle

Jungle

Shady jungle

In my field near
spoke, single but probably
same as 2 spotted forms
On the west rock of cliff

in
Open scrub

8333⁵ Saccharum (baccharis) ^{Polygammis}

along ditch in or near water

8334² Panicum laxum

along ditch

8335³ Panicum (corymbosum)

Bare ground along road
appears like a weed.

8336¹ Eragrostis (acutiflora)

along ditch

8337¹ Andropogon (virgatus)

open wet prairie

8338¹ Scirpus

8339¹ Paspalum (plicatulum)

along ditch

8340¹ Muhlenbergia distachya

River of Barranca

8341 Axonopus compressus
n. s. form?

8342 Axonopus nervosus bl
marginalis

8343 Panicum (sphaerocarp)

8344 Thragya / petriosa

8345 Paspalum centralis
Vernil. of David (det)

8346 Panicum lyxum

8347 Panicum pilosum

8348 Paspalum microstachyum

Savanna

Savanna

Along ditch

Rim of Barranca

Along ditch

swale

swale

Low thickets near
river

8349¹ Pasp. paniculatum

Pasture - low ground

8350³ Panic lupulin

Swale - large patches

8351² Panic gizanioides

Swale

8352² Hemidepsis sterile

Swale

8353¹ Eragrostis acutiflora

along ditch

8354⁶ Aristida prostrata
bunches - fl. culms

Savanna - Prostrate
widely prostrate - spreading or creeping

8355¹ Sporobolus ciliatus

Savanna

8356¹ Leptoch virgata

a cut-over hill

8357 Impatiens brasiliana

8358² Perine fasciculata

8359^{var} Paspalum centralis
~~compressum~~

8360 ² Hachelochloa gracilis

8361 Paspalum decumbens

8362 Axonopus *marginatus*
This bunch - all foliage
foliage on erect bunch.

8363³ Androp. lemniscatus achyris

8364' Androp. Leucostachys

Put over lamp

Cut over hill

~~inter~~ annual - Old field

old field

Old field

Subm. - form a large
proportion of the grass - ~~that~~

Large bunch in old field

small tendency - on sterile hill

8365 Paspalum ^{diversifolium}
pilosum

8366 Andropogon selloanus

8367 Paspalum notatum

8368 Cynopus = 8362 ^{marginalis}
savannae - prostratus

8369 Paspalum homocarpum
convexum

8370 Stylosanthes gambustylis

8371 Scleria

8372 Pennisetum cayenne

thicket on hill

sterile hill - culms, single
or few

Savanna - not so common
as P. minus, but in clumps

As it occurs, on the grassy
bushes

along roadside in Savanna

ditch

Savanna

Old field - abundant
Prostrate - spreading in open
ground - erect in grass among
other things

8373 Eragrostis celibata

8374 Eragrostis auriculata
plumosa

8375 Isachne (bushy species)
polygama

8376 Sporobolus albidus

8377 Panicum gambroense

8378 Eragrostis

8379 Eragrostis leptostachya
polystachya

8380 Eleusine radicata

street

street

colony brook

savanna

savanna - small
thicket

on a stone wall

weed in park

weed in park

Tabernailla to Frijales Oct. 12,

8381

Andropogoneae (Spermatophytes)
Panicum leucostachyum

Set

8382

Schaenium rugosum
Panicum leucostachyum

8383

Panicum trichanthum
rootling, branching

8384

Panicum trichanthum
small, ch branches

8385

Panicum zigzagum

8386

Imperata brevifolia
near Tabernailla

Set

8387

~~Panicum~~ Panicum (Lepidoptera)
decumbent & rootling
Panicum purpureum - Part

Set

8388

Panicum (big laxum)
[involute?]

Set

Oct. 12,

In an old field among
near Tabernailla

ditto

ditto, long creeping
stems, creeping many feet

ditto, annual, in small
mounds at base

ditto - long creeping
stems

Many places along river
Rootstocks present

In water - Frijales - Culms
at base. Sheath brownish
Spec. have smooth sheath & yellow

ditto, prostrate & of
the same habit

8389^v *Paspalum* ^{orbiculatum} (~~repens?~~)
Set

in mud edge of swamp
fully in water, creeping &
erecting - 7-10 ft.

8390^v Sugar cane - field
Near Taberville

top section to on middle of

8391^v *Phytolacca*
Triplex to Bolivia Oct 13

quadrately by ground near
Bolivia

8392^v *Panicum hirsutum*

Low ground, near Bolivia

8393^v *Lasiacis procurrens*
fully developed panicles - 2 ft high. Leaves
much as 10 ft high

Wooded swamps. Shrubby

8394^v *Ischaemum*
inflorescence not yet appearing.

Shrubby, moist woods. Normal

8395^v *Panicum polygrammum*
Shrubby, the very common

in an open flat, muddy place
like *Pach. compressum* etc.

8396^v *Panicum pilosum*

swamp. Nodes covered

8397 *Panicum hirsutum*
several latense

8398 *Ischaemum*
trifolium

8399 *Panicum stolonigerum* Per

Panamá to Old Panamá
8400 *Panicum* (grasses)

8401 *Luzula*

8402 *Aristida*

8403 *Paspalum vaginatum*

8404 *Syntherisma*
Set

8405 *Sporobolus*

Swamp, Shrub near swamp
panicle

Along swamp in woods

Shady moist woods - along
swamp - trifolium

Oct 15.

Along ditch

On rocky bluff - Old Panamá

ditto

Side flat - Old Panamá

Swamps - some in
plum
Swamps

8406 *Leptochloa filiformis*

Wet place in woods
near Lake Panama

8407 *Eriopogon (acutifolius)*
Set

Ditch in Saverana

8408 *Aristida*

Saverana

8409 *Bambusa (filiformis)*
Set ^{americana}
off similar species

Saverana, Fl. culms
or creeping

Port Limon - Oct. 20.
8410 *Spartina*

Costa Rica
Edge road of Saverana

8411 *Sporobolus (indicus)*

Woods of Limon

8412 *Phytolacca*

Along Ry

8413 *Axonopus*

W

8414' *Imperata brachneura*

Along Ry.

8415' *Syntherisma*

"

8416' *Paspal. paniculata*

" A common weed

8417' *Chloris*

"

8418' *Paspal. vaginatus*

Along sea shore

8419' *Eragrostis planum*

Streets

8420' *Eragrostis acicularis*

Streets

8421' *Panic. polygynum*

Along ditch

8422' *Eragrostis teflurosandra*

8423' *Chaetochloa*

8424' *Paspalum fasciculatum*

8425' *Paspalum plicatellum*

8426' *Bomblacanthus*

8427' *Andropogon macrocarpus*

8428' *Chloris*

8429' *Panicum laxum*

Ward along by

along by

" Low ground

"

" Low ground

" along cul

" weed

" Setch

8430 *Syntherisma* ^{digitata} ~~decolor~~

8431 *Paspalum* ^{pedunculatum} ~~decolor~~ ^{Pan}
5 et

8432 *Paspalum* (repens)

8433 *Leptochloa* *virgata*

8434 *Panicum* *brichardii*

8435 *Panicum* *linsulense*

8436 *Cenchrus* *viridis*

8437 *Anthephora*

Along by - weed

" side of cut

" muddy place in cut

"

"

" Low ground

" weed

" weed

8438 *Aspidosaccharum*

8439 *Andropogon* (unclear)

8440 *Chactium* Sam José - Costa Rica

8441 *Arundinella*

8442 *Euphorbia*

8443 *Kyllinga*

8444 *Eragrostis ciliaris*

8445 *Pennisetum purpurascens*

Along - side of C. R. R.
Costa Rica

" side of C. R. R. - *Siguanes*

Oct 22
Pasture land

Rocks along river

Along stream

"

Pasture

along bank -

8446² *Polygala*

Along stream in woods.

8447² *Hemaloech, grandis*

ditto ditto

8448⁴ *Pennisetum*

ditto ditto

8449³ *Syntherisma*

Pasture

8450⁵ *Oplismenus*

shady bank of river

8451² *Lonicera* (Chebuan)
small - black berries

Along river bank. Shade.

8452¹ *Panicum glaberrimum*

Open grass land along river

8453¹ *Eleusine indica* (Oryza) along ditch

8454¹ *Paspalum*

8455² *Pennisetum*

8456¹ *Chloris*

8457⁶ *Valata pittierii* (Hack) Chase
Syntherisma (near)

8458³ *Andropogon*

8459⁴ *Muhlenbergia*

8460² *Muhlenbergia*

8461¹ *Hackelochloa*

Pasture

along ditch

Pasture

seton but different) Pasture

Pasture

Stone wall

ditto

Pasture

8462^v Paspal (Pinnatifid)

8463^v Cleistol (umbellat)

8464^v Paspal, fasciculat

8465^v Androp. maceratus

8466³ Paspalum (plicat)

8467^v Paspal. longatum

8468^v Paspal. paniculatus

8469^v Cleistol (radiat)

Pasture

Pasture

Low ground,

Heavy bank

Heavy bank

ditto

Pasture

Pasture

8470^s *Sporob. indicus*

8471^s *Imperata* (Mexican)

8472^s *Paspalum*

8473^r *Zeosinte*

Dept. Agr. San Jose,

Mexico, the origin unknown

8474^r *Paspalum Chalcumerys*

8475^r *Brachiaria plantaginifolia*

8476^r *Poa annua*

8477^r *Paspalum candidum*

Pasture

Wood in coffee orchard

Pasture

Cultivated in Exp. Garden of
Seed to have come up from
below numerous, erect, 6 ft. high
along riverbank

Pasture prostrate

Pasture

Pasture

Under stone bridge

8478^v *Nicholaus* *revere*

Pasture, color ^{bright} copper red

8479³ *Delmanthus*

Shady river bank

8480⁵ *Hemiboea*

Along river

8481^v *Optispermum* (Chun & Lee)

Shady river bank

8482³ *Leimoloma* *polydactyla*

Shady bank

8483^v *Andropogon*

Hill in pasture

8484^v *Optispermum* *aristatum*

Shady bank

8485^v *Paspalum*

Washed hill in pasture

8486³ *Sporobolus*

8487⁷ *Panicum paniculatum* Hay

8488³ *Lasiacis*
no strong canes, black elongated

8489² *Paspalum mandicarinatum*

8490⁴ *Panicum angustatum*
angustatum

8491¹ *Carex*

8492¹ *Tragus leptocarpus*

8493⁴ *Tragus*

Pasture

Bank among shrubs

ditto - branching, sheath elongated

Pasture in shade

Bank among shrubs

Wood in streets

Wood in streets

8494³ Datto - Oct. 24 - With *Cleome*
Syntherisma along cut - Ry.

8495¹ *Paspalum distichum* Weed in coffee orchard

8496¹ *Lumnitzera* - Shady river bank = 8498

8497³ *Paspalum minus* Pasture

8498² *Syntherisma* Pasture
2 ex

8499¹ *Cyperus* Low ground

8500⁴ *Aplousaikia* River bank, Part of this
is *gumouchu* (in shade)
the other same?
8501¹ *Muhlenbergia* Part very villous (in open), are
on rocks by river

San Jose

8502³ *Lasiacis rhizophora*^a

Shady river bank

8503¹ *Olyra* ~~*stolonifera*~~ (*stolonifera*?)

Along river, sterile

8504¹ *Grindelia*?

Rocks along river

8505¹ *Eleocharis*
2 st.

Along river

8506¹ *Kyllinga*

"

8507¹ *Cyperus*

"

8508¹ *Cyperus*

"

8509¹ *Muhlenbergia*

Bank along river

8510¹ *Paspalum*

8511² *Muhlenbergia*

8512² *Eriopogon*

8513² *Bambusa*

8514³ *Lycopodium*
of fertile shoot

8515¹ *Pennisetum*
atensis (eastern station) Cal.

8516¹ *Leptochloa* ~~viridis~~
~~altissima~~

8517¹ *Panicum* ~~distachyon~~

Pennisetum in springy place

along Ry.

"

From the fernery - sterile

near ditch - sterile

All in vicinity of Ry. station along track

8518' *Valeriana ussuriensis*

Common such as
country west of San Francisco

8519' *Linchum sibiricum*

8520' *Leptis nemorosus cristatus*

8521' *Panicum trichosperum*

8522' *Brachium glaucum*

8523' *Periploca*

8524' *Periploca*

8525' *Anthriscus*

8526 *Eragrostis* (Vahl.)

8527 *Aristida*

8528 *Andropogon fastigiatus*
Palafoxia

8529 *Nicholsonia rosea*

8530 *Paralichia* *diptera* (HBK.)
(centipendula)

8531 *Punta Arenas, Oct. 26*
Echin. color.

8532 *Perfolium brown x*

8533 *Eragrostis* *Small bush margin of tide swamp on*
inner face of spit

Sand spit along track

8534 *Diatyl. aeg.*

8535 *Cypris*

8536 *Unio Petteri*

8537 *Porcelon americana* (L.)
Scuba

8538 *Porcelon* (in sp.)

8539 *Trigloporus* (B. Schlegel)

8540 *Cerithium*

Punta Arenas - Oct. 26
8541 *Caprellus* *crustacei*

Common on sea face

Common on sea face

Open grass land of
inner face

ditto

Common on shore of P.A.
Very numerous in shell places
near water

Common on sea face

Edge of wood in the shade

8542 ✓ *Ophiurus cristatus*

Along road in the open

8543 ✓ *Paspalum brownii*

Sandy soil in grass

8544 ✓ *Paspalum brownii*

Sandy soil

8545 ✓ *Pennisetum benhurii*

" " along track

8546 ✓ *Syntherisma digitata* (Sw.)
Hilleb.

"

"

8547 ✓ *Syntherisma*

"

"

8548 ✓ *Bouteloua* (= 8538?)

"

"

8549 ✓ *Bouteloua*

"

"

8550³ *Hyperic*

8551¹ *Huckelochia*

8552¹ *Panic fasciculat*

8553¹ *Dyschidanthemum digitata*

8554¹ *Populus*

8555³ *Panic trichosperma*

8556² *Benteloua disticha?*

8557² *Hymenocallis*

Sandy soil along track

"

dry soil

"

along ditch

Low ground in meadows

"

In water of ditch

8558 *Hemilobocarpus*

In web of ditch

8559 *Paspalum paniculatum*

Along by in weeds

8560 *Syntherisma*

Swamps

8561 *Eragrostis leptocarpa*

8562 *Desmodium illinoense*?

Found very weak. Could
detect no odor

8563 *Leptochloa filiformis*

Along track in moist
soil

8564 *Pennisetum polare*

Along ditch

8565 *Leptochloa virgata*

In

"

8566 *Panicum polyanthum*

8567 *Cenchrus ciliaris*

8568 *Chenopodium suberectum*

8569 *Portulaca bracteata*

8570 *Limonium carolinianum*?

8571 *Limonium*

8572 *Limonium pumilum*

8573 *Aristida*

Along canal

Along track

" "

" " in sandy soil

Edge of fringe in clay soil

" " shrub polan

" on clay bank

Clay soil along Ry

8574 *Syntherisma*

8575 *Paruelo disticha*

8576 *Pasp. fascicul.*

8577 *Liriodendron*

8578 *Syntherisma*

8579 *Pasp. longistylis*

8580 *Chusquea*

8581 *Liriodendron*

Along creek

Very along creek, spreading & widely branching

Low ground

Edge of jungle

Young shoot

Low ground

Wet side

" "

8582⁴ *Paspalum*

8583¹ *Paspalum minus*

8584¹ *Arundinella*

8585² *Pennisetum*

8586 *Pennisetum americanum* L. Link.

8587¹ *Paspalum*

San Juan del Sur - Nicaragua - Oct. 28

8588¹ *Eragrostis ciliaris*

8589¹ *Eragrostis mexicana*?

Waters of pool

Open grassland - clay

clay hill

Sandy soil, along with
all have been cut off or
cut off.

clay water on the, produce
spreading

Stems in sand

Along road

8590^v Andropogon

8591⁴ Aristida

8592¹ Chloris

8593¹ Helicopsis

8594¹ Pasp. paniculata

8595¹ Anthephora

8596^v ^{Cenchrus pallidus Torr}
~~Pennisetum~~ (Cenchrus)

8597¹ Boutelou americana

Cliff

Dry hill

Along road

Cliff

Along road

"

Along beach

Along road

8598' *Cenchrus*

8599' *Chenopodium*

8600' *Valota insularis*

8601³' *Pennisetum glaberrimum*

8602' *Paspalum*

8603' *Paspalum vaginatum* Sw

8604' *Pennisetum trachyneuron*

8605' *Syntherisma*

Along beach

Cliff

Along road

"

Hill

Along beach

Hill - along road

Along road

8606¹ *Paspalum*

8607¹ *Yasienis*

8608² *Distichlis*
Juncus straminea Fourn

8609³ *Bouteloua americana*

8610² *Cenchrus*

8611³ *Eragrostis*

8612⁴ *Eragrostis vobelia*

8613¹ *Paspalum paniculatum*

In woods on hill

Wooded hillside

Along beach

Along road

Along beach

"

"

"

- 8614³ *Daphnia*
along beach
- 8615' *Pasp. involuta* "
- 8616' *Leptochl. filiform* "
- 8617' *Amphioxus* "
- 8618' *Cerithium* "
- 8619³ *Periwinkle* *cincta* "
Cerithium pallidus form
- 8620' *Syntherisma* "
- 8621' *Senecio* "

PK 25- *Puntarenas* Oct 27 (14)
26-31 *Concepcion* (Yerklow) Nov. 10

32-35 *San Salvador* Nov. 25
36 ((*Legation mail*)) " 27

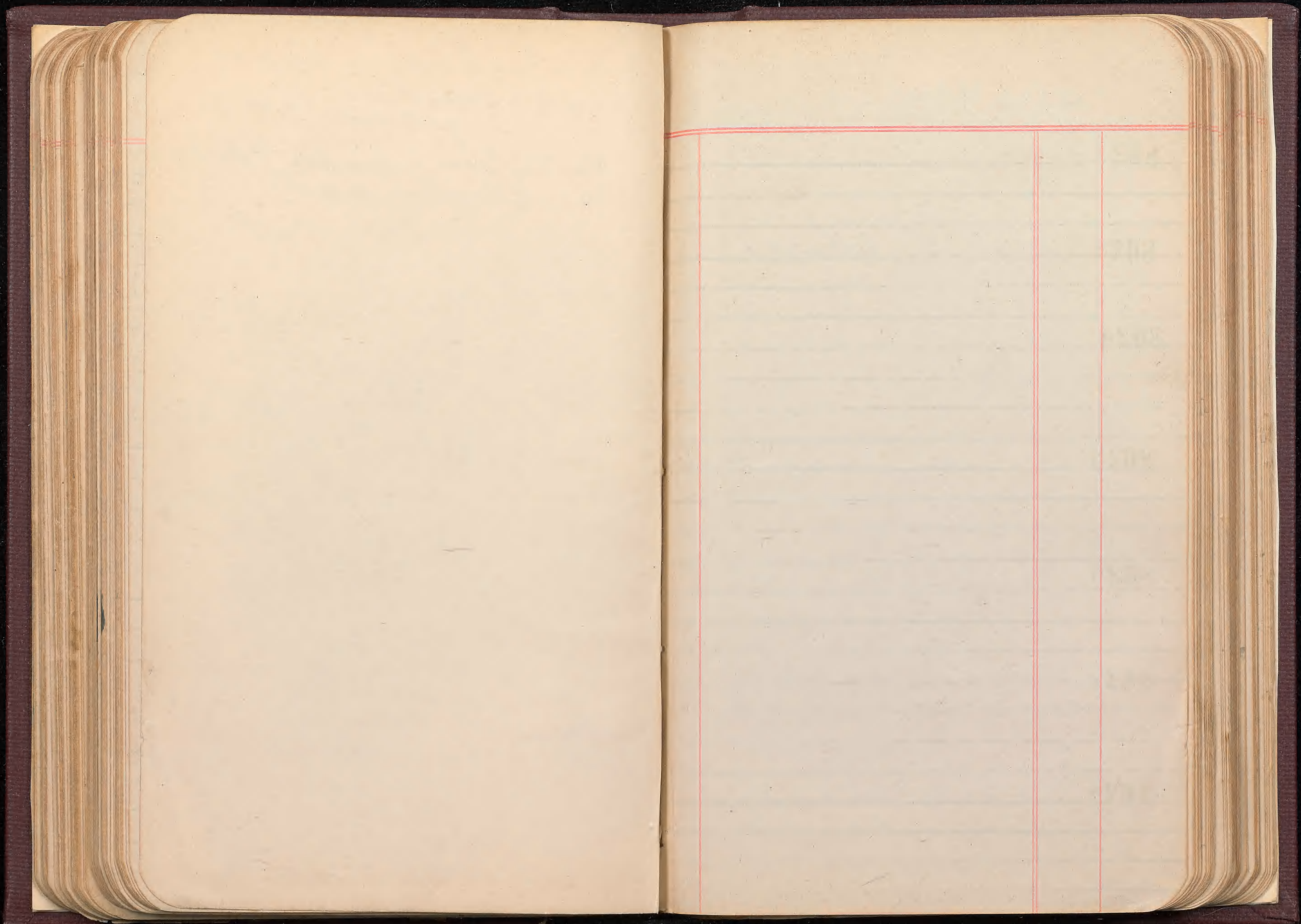
36 arrived 1/2/12
38

nos. 8622-9004
all labels written as

Boat. amer. found in
Acayote ~~*San Salvador*~~
San Salvador + *Panama*

Boat. disticha found to be
rather common in water
near & growing to a length
of 5 feet & more (8983 *San Salvador*)

C. - pringlei - *San Salvador*
(8965)



Corinto (could be from

8622

Eleusine indica

Book 2)

Weed

8623

Eragrostis ciliaris

Weed

8624

Eragrostis

Weed

8625

Eragrostis major

Weed

Masaya - Prov. 1

8626

Eragrostis teflerosantha

Weed along road

8627

Eragrostis major

"

8628

Pennisetum encrinetum
Cenchrus pallidus Don

"

8629 *Bouteloua distachya*

Along Ry

8630 *Paspalum*

"

8631 *Panicum trichum*

"

8632 *Leptochloa fergana*

"

8633 *Anthephora*

" weed

8634 *Ephedra cristata*

" called lignum
Calahuatana

8635 *Chloris radicata*

"

8636 *Cynopus corymbosus*

"

8637 Cuscuta

Along Ry

8638 Cuscuta ^{breviflora}
Mozote

"

8639 Paspalum ^{virgatum}
Zacaton

"

8640 Aristida

"

8641 Eragrostis volutans

"

8642 Paspalum pleiostachyos

"

8643 Valota umbellata

"

8644 Chaetochloa umbellata

"

Bermuda = Jacati de
gallina
(Mansaya)

8645¹ *Heteropogon*
4 ex

8646² *Heteropogon*

8647¹ *Panicum* plant

8648¹ *Andropogon*

8649¹ *Leptochloa*

8650¹ *Paspalum*

8651¹ *Cyperus*

8652⁵ *Gonim*

Along by
fence etc (look?)

"

"

"

"

Low ground near stream

Along Ry

Low ground along ledge

8653³ Bouleton

Open ground along cut in B
Seems to be an annual

8654¹ Parnie, gladiolus

On hill in new ground

8655³ Syntherisma

On hill

8656¹ Syntherisma

On hill

Ditto - Nov 2

8657⁹ Am. bella?
24

Open ground near lake

8658¹ Pasp. notatum

Ditto

8659¹ Pasp. sp.

On rocks

8660¹ Urtica crinita

Along rocks in the
large specimens

8661 *Chenopodium*
3 ex

8662 *Chloris*

8663 *Pennisetum*

Indep. Nov. 3
8664 *Chenopodium*

8665 *Lasiacis*

8666 *Chloris*

8667 *Cenchrus* (*Pennisetum*)
Inc. d. *P. ciliaris*

8668 *Cenchrus viridis*

Rocky cliff

Along shore

On stone wall

Open grass land

fringe, stems straggling and
much branched, the climb rising
in the bushes 5-6 ft.

In weeds, edge of jungle

Along Ry

"

8669⁶ *Panicum*

Long ground

8670¹ *Panicum flourensii*

along Ry

8671¹ *Leptochloa virgata*

"

8672³ *Lonicera*

fringe - blades elongated

8673⁵ *Lonicera (Glossularia)*

fringe - climbing &
winding - not the same
with *Leptochloa* species
High climbing - leaves short

8674⁵ *Lonicera, surtyana*

8675¹ *Sporobolus indicus*

along Ry

8676⁵ *Lonicera compacta*

fringe - High climbing
leaves short.

8677⁵ Leptochloa

8678¹ Chloris

8679¹ Chloris

8680¹ Panic. gigantea

8681¹ Paspalum

8682⁵ Panic. trichosperma

8683¹ Chusquea

8684¹ Paspalum

Del. here. 4

Nov 4

Roll. Along by

Along by

"

In shade along by

Grass weed, along by

Along hedge. Probably =
8677 but black border

Along hedge

Grown in park

Nov 4

8685⁸ *Panicum (crispum)*

8686³ *Paspalum*

8687¹ *Panicum gracilispicum*

8688³ *Claytonia latifolia* L
424

8689¹ *Corundinella*

8690⁶ *Subsericea muricata*

8691¹ *Paspalum plicatum*

8692² *Quercus Vahlana*

Nov 4

Bank along the river
root decay, bare after
decomposition
along the river

Grows along the river

Juniper

Edge of juniper

Edge of juniper

Grows along the river

along the river

Nov 4

8693 ^{trichoides Sw}
Panic (trichoides)

8694 ^{Lurida Sw}
Lurida Sw

8695 ^{Lurida Sw}
Lurida Sw

8696 ^{Paspalum}
Paspalum

8697 ^{Pasp. Humboldt}
Pasp. Humboldt

8698 ^{Lurida Sw}
Lurida Sw

8699 ^{Lurida Sw}
Lurida Sw

8700 ^{Lurida Sw}
Lurida Sw

Nov 4

3-4 ft. tall & strongly
jungle

Edge of jungle

Jungle

Grass along R.

Grass along R.

jungle

Large, strong, large
leaves

Large - strong, large
leaves - 15-20 ft
high

8701 *Panicum barbatum*

slightly

8702 *Panicum selen*

" "

8703 *Paspale*

well along

8704 *Mesochy - Nov. 6 - scrub along*
Andropogon brevifolius

lowland savanna

1 ex in *Cenchrus pallidus* Jacq.

8705 *Andropogon (Heesii)*

Stems decumbent and
dragging the many green slender
upward slender weak branches

8706 *Chloris*

8707 *Sorghum hirsutum*

8708 *Panicum selen*

8709

Androp.

8710

Juncus
climbing leaf

8711

Dyalea

8712

Gynura

8713

Phragmites? Sterile

8714

Paspalum - Nov. 7
Paspalum

8715

Luzula

8716

A. crispus

A. crispus but has more - shorter, flt larger

From small stream

Long ground but not
wet.In sand land, looks like
shorter, flt larger

8717³ *Lysium compacta*
rep

8718¹ *Lysium*
branch mucronate
bunches (floral) conspicuously

8719⁵ *Lysium*
bluish, velvety. Looks like

8720⁴ *Tripsacum*

8721¹ *Chyrea*

8722⁵ *Lysium* = 8718

8723⁶ *Lysium* - 8718

8724¹ *Paspalum*

fringe. With 8715 but
distinct

Stems annual (perennial)
whorled & slender. Vigorous
lytation. Panicle always small
forms strong canes, smooth but
compact but flowers earlier

shady banks. Roots look very
fine, but strong & creeping like
a daisy

in buds

fringe

"

near road

8725 *Clethra* - erect.

8726³ *Bouteloua*

8727³ *Andropogon brevifolius*

Catarina Nov. 8. Along Ry Rd

8728¹ *Eragrostis* (major)?
glumes & leaves of

8729¹ *Syntherisma* ^{digitata} (below)

8730² *Andropogon* (boiling)

8731⁵ *Heteropogon*

8732¹ *Tripsacum*

As it grows in open sunny places

in open, gravel, Bunches flat & spreading

along cut

between lower & tunnel (north)
May be *E. major* but stems
detest no odor. Prostrate.
along track

Along cut

Perennial bunches, erect

8733' *Pennisetum*

Probably the same as
already collected but spikes pale
not purple.

8734' *Trinchebra* (velvety)

8735' *Pennisetum*
tall, very dense 10 ft
all the nodes

8736' *Andropogon fastigiatus*

Tall annual. Specimen
tall, with slender branches, fine

Annual, very slender
bushes of several culms

8737' *Gynerium*

Perennials, or culms of these
forming over edges of wet, 10-15
ft. long

8738' *Pennisetum*

Stems smooth, Pan. purple

8739' *Cenchrus pallidus* L.
Cenchrus

Open, dry ground along R.

8740' *Homalocenchrus* L.
Corymb - Nov. 10 - Along R. from 6 to Peale's

8741 *Salicornia* column

8742 *Antidote*

8743 *Lonicera corniculata* ⁴ *Maritima* small, later
pinnate, the first leaves
new like wool

8744 *Despalum*

8745 *Hemidactylus*

8746 *Andropogon brevifolius*

8747 *Oxeris*

8748 *Panicum (Lixum?)* ⁴ *Truncatellum*, nodding
by small large buds
Large panicle

Nicaragua

8749¹ *Scirpus*

8750⁴ *Hydrocotyle*
 apt. nuchely & 4

8751¹ *Portulaca americana*

8752¹ *Portulaca*

8753¹ *Myrsine*

8754¹ *Persea centrale*

8755³ *Panicum*

8756³ *Portulaca*

8756^{1/2} *Chaetochloa*

Wld. plants, bend down
 to take their place

8757

^{manu, 204}
(Juncus)

Along river in a much
water in black mud.

8758

Decid. level.

8759

Erigeron (Meyen?)

8760

³⁰ Juncus

Sand of sea coast - elevations
for large bunches.

8761

Paspalum

Sand of sea coast

8762

Panicum longum

common

8763

Amopala Nov. 12 - Along road up the hill. edge of scrub.
Lasiacis compacta

edge of scrub.

8764

Juncus

8765 *Upland, Cristata*

8766 *Gonopus compressus*

8767³ *Bouteloua*

8768 *Panicum trichosperum*

8769 *Bouteloua*

8770 *Aristida*

8771² *Bouteloua americana*

La Unión - Salvador Nov. 12
8772 *Bouteloua* m. sp?

Along Ry.
open flat pasture, back of
coast

8773' *Enclera viridis* Spreng

8774' *Poreclon*

8775³ ~~*Aegypia*~~
Fournieria ²

8776⁵ *Poreclon catharticum*
stoloniferum ^{25/26}

8777¹⁰ *Aristida*
the peduncles green

8778' *Pennisetum fasciculatum*

8779³ *Sporobolus argutus*

8780' *Pasp. vaginatum*

open flat pasture

Prostrate bushes - at maturity
elongate becoming 2-3 feet long

Along seacoast

8781¹ *Leptoch feliformis*

8782⁵ *Mugotis velutina*

8783³ *Achnopus* *capillaris*
8783^{1/2} " *compressus*

8784⁴ *Mugotis*

8784^{1/2} *Axon fissifolius*

8785¹ *Agrostis leptocaulis*

8786¹ *Aristida*

8787¹ *Bouletou americana*

8788³ *Paspalum*

A large prostrate bush

8789¹ *Perpalum*

8790² *Oplismenus cristatus*

8791¹ *Pennisetum richardsonii*

8792² *Bouteloua distachya*

8793¹ *Sclerurus colera*

8794³ *Plant. Shrub*

Santa Ana - Salvador - Nov 18

8795¹ *Pennisetum*

8796⁴ *Andropogon fastigiatus*

pkgs not received Feb 20 1914

8797 *Aristida*

8798 *Bouteloua*

8799 *Lasiacis*

8800 *Cenchrus*

8801 *Andropogon inermis*

8802 *Panicum boscum*

8803 *Lophol. downingii*

8804 *Eragrostis*

Shrubby canes harsh-petioled.
Local brandy fly-swarms high
thundering 10-15 ft

Along R.

8805 Andropogon (convolvulus)

8806 Cuscuta viridis

8807 Leptoch. nigra

8808 chloris

8809 Paria nigra

8810 Eugenia Odorata

8811 Pennisetum (cand.)

8812 Andropogon brevifol.

8813 *Paspalum*

8814 *Daphnopus*

8815 *Chloris*

8816 *Paspalum notatum*

8817 *Eragrostis capillaris*

8818 *Eragrostis mega*

8819 *Eragrostis plumosa*

8820 *Paspalum plicatulum*

8821 *Antioptera lere*

8822 *Chaetoth umbell*

8823 *Tricholoma rosea*

8824 *Eugenia ciliaris*

8825 *Valeriana insularis*

8826 *Persea (picea)*

8827 *Dyckia sanguinea*

8828 *Bursera*

de lencas, sicle y cve

8829 *Bouletia* = 8828

Tall, among weeds

8830 *Axonopus compressus*

8831 *Peritoma*

8832 *Muehlenbergia*

8833 *Perp. corymbosa*

8834 *Cephalanthus*

8835 *Perp. paniculata*

8836 *Aptisium cristatum*

8837 *Aristida*

Santa Ana - Nov. 18,

8838 *Panicum*

among, grassy hill.

8839 *Andropogon*

Dry grassy hill

8840 *Portulaca bromoides*

"

8841 *Heteropogon*

Large among, "

8842 *Allyra*

Shady hedge along ravine

8843 *Portulaca verticillata*

Grassy hill

8844 *Andropogon*

Grassy hill

8845 *Nudapogon*

8846 *Psittaculus (various)*

8847 *Acrida indica*

8848 *Archelochus*

8849 *Myristicivora*

8850 *Leucocitta (leucocitta)*

8851 *Arundinella*

8852 *Pennisetum*

Grass hill

"

Road side

Wood

Wood

Along hedge & stream, 10-12 ft.
leaves green, stem, leaves, 10-12 ft.
pinnate, somewhat apical, red brown
Green hill.

8853 *Gesneria*

Along hedge & ditch, Rosbury
valley, Rhodod. long, 4 ft.

8854 *Perfolium*

Along Street

San Salvador - near 20 -
8855 *Impatiens* (major?)

Propagated station 13K from S. Sch.
Rhodod., stem slender & very
by track

8856 *Olyza*

Hedge

8857 *Linum*

Hedge

8858 *Linum*

Specimens taken from different places
Cans strong, rough poles, - shoots dense
hedge, Cans strong, smooth or rough
very narrow & terminal

below, shrubby annual, Par
I have not seen this before

8859 *Ornithoglossum*

Along Ry

8860 *Panicum molle*

Along Ry

8861 *Andropogon condurcatus*

Cent

8862 *Euphorbia leptocaulis*

Ry

8863 *Nepeta v. ablin*

Ry

8864 *Hieracium*

Ry

8865 *Liriodendron*

mostly divergent Halys

8866 *Bouteloua*

Dry bank

8867 *Arundinella*

side of cent

8868 *Cenchrus ciliaris*

Along Ry

8869 *Paspalum paniculatum*

8870 *Periderium*

8871 *Plumidulum*

8872 *Andropogon scoparius*

8873 *Leptochloa plumosa*

8874 *Muhlenbergia*

8875 *Sorghum halepense*

San Salvador - Hills to southeast Nov. 21

8876 *Lasiacis*
in clads on

Along Ry

Side of vertical cut

Along cut

Common

Along Ry

along cut

Along track

Andropogon, probably = 8853
collected

8877 *Lonicera*

Hardy - blackberry

8878 *Panicum nuttallianum*

Moist meadow
blades velvety

8879 *Chenopodium*

Large shrub - moist
ravine.

8880 *Cephaelis (sp.)*

Moist shady bank

8881 *M. (sp.)*

Old field.

8882 *Chenopodium umbellatum*

(perfoliatus) Old field

8883 *Populus (stolonifera)*

Dry hill - abundant
and local.

8884 *Aristida*

Dry grassy hill, erect bunches

8885 Andropogon

Along edge of bank,

8886 Andropogon

Dry grassy hill

8887 Sorghastrum

Andropogon
in long grass
hill

"

8888 Eragrostis?

Shady road.

8889 Sporobolus indicus

Along road

8890 Panicum (stramonium?)

Dry hill

8891 Cenchrus ciliaris

Field

8892 Perilemma

Large specimens on dry hill
Abundant here

8893 *Andropogon bicolor*

8894 —? *Muhlenbergia*

8895 *Paspalum Humboldtii*

8896 *Paspalum notatum*

8897 *Dactyloctenium aegyptium*

8898 *Hemiphragma procurrens*

8899 *Chenopodium*

8900 *Panicum*

dry hill

dry hill

"

common in pastures

wild along road

shady dry bank

along road

= 8898 but less valued

8 8901 *Pan trichomanes*

Shady place, tall branched
form.

8 8902 *Paspalum*

Shady bank

8903 *Lonicera*
but a young specimen

Shrubs here, whole plant
Killed.

8 8904 *Aplis. erubescens*

A tall form growing in
grass

8905 *Paspalum*

Posture = 8502

8 8906 *Chloris*

Road side

8 8907 *Arundinella*

Bank

8 8908 *Lonicera* (flexuous)

Killed, whole plant but young
3 sheets,

Salvador - Nov. 22 - Puerto

8909 *Paspalum virgatum*

8910 *Senecio*

8911 *Gynura*

8912 *Andropogon saccharinus*

8913 *Paspalum fasciculatum*

8914 *Senecio*
much branched

8915 *Senecio*

8916 *Lamb*

Culms bright yellow.
Culms 3 ft. in diam at base

Laguna - at station so. ^{west} ~~east~~, a few miles
along road

Long blades - very abundant
here in hills etc. - sometimes over
10 feet - shrubs.

Stems green - Canes and in
the construction of mud walls &
houses.
Edge of field

along ditch

Blades - 5-6 ft. stems slender
no strong canes.

Blades - strong canes - 10 ft

Cultivated - common. Talls 20-40 ft
more or less striped with green

8917

^{where?} *Pennisetum*

Salvador - Lake Chapala No. 23

8918

^{1st} *Paspalum*
2 ex

8919

^{2nd} *Phragmites?*
in islands - slender

8920

^{5th} *Paspalum patens* ~~*patens*~~
Panicum geminatum

8921

^{3rd} *Liriodendron*

8922

Leptochloa filiformis

8923

Eragrostis mexicana

8924

Panicum

In several feet of water along
edge of lake. End of summer have
inflated shoots for float.

In deep water of lake forming
forever, long runners

In deep water of lake forming
small islands. Not found near
shore

Plants erect, very bushy
high stems. Panicle at end
of strong branches
Sandy gravel near lake

Along road

Sandy gravel near lake

San Salvador - Nov. 24 - Am

8925 *Lasiacis*

3 ex

8926 *Syntherisma*

8927 *Muhlenbergia*

8928 *Erigeron*

8929 *Muhlenbergia*
capitata

8930 *Cephaelis*

8931 *Paspalum*

8932 *Polygala*
sp.

2 ex

Placencia of San Salvador 12-15 miles west
high climbing - forms a strong
can - branches numerous, scattered
on old cane, not flowers - short smooth
new top of cane in grass

In brush - color struggling

A weed

In grass

Shady banks on upper
portion

Among shrubs on inner
slope of cane

8933 *Andropogon*

Upper portion of bank

8934 *Paspalum*

at edge of water

8935 *Paspalum*

"

8936 *Paspalum*

"

8937 *Paspalum*

Shady bank

8938 *Muhlenbergia*

"

8939 ^{*Muhlenbergia*} ~~*Andropogon*~~

"

8940 *Andropogon* ~~*barbatus*~~
Saccharum

8941¹ ^{Syntherisma} ~~Muhlenbergia~~?

8942¹ Andropogon Saccharalis

8943² Pennisetum
1. 24

8944¹ Bruguiera

8945¹ Andropogon glomeratus

8946¹ Paspalum

8947² Tripsacum (dactyloides)

8948² Muhlenbergia

Grassy bank

"

"

Shady bank

Grassy bank

"

"

Shady banks of cuts

8949' *Cephaelis* *erecta*

As it grows on the upper part
of the mountain

8950' *Chaetum* *bromoides*

Open grass land - common
at upper altitudes

8951⁵ *Lesina* = 8925

8952⁴ *Lesina*

Straggling stems - not very
common

8953² *Paspalum*

8954⁴ *Tragopogon*

Perennial, grass land

8955¹ *Tragopogon*

Grass land

8956² *Paspalum*

8956^{1/2} "

8957' *Paspalum*

8958' *Paspalum*

8959³ *Paspalum*

8960' *Paspalum*

8961' *Brechian* plant

S. Solvader - Nov 26 - Pond

8962' *Lepidocarpus*

Shrub 2m high - branches

8963' *Andropogon (condensatus)*
broad stem for the

8964' *Arundinella*

1 of

in the Plaza - 3 Solvader

"

young of *Andropogon*
brown, can - brown, colored
not flowers (See Photo)

Bank & Bluffs, seen too
Spec.

Bank

8965' *Bouteloua pringlei*

Sousonate - Nov. 28 / Salvador

8966' *Paspalum fasciculatum*

8967' *Leptochloa ligata*

8968' *Homobolus*

8969' *Hybanthus*

8970' *Cyn. latifolius*

8971' *Panicum texanum*

8972' *Arundinella?*

Sunny hill

Along R.

"

" in Swamp

"

" Well established

" in ditch

Along river, in or near the water

8973⁴ *Pennisetum*

Along river

8974¹ *Muhlenbergia tenella*

Rocks along river

8975¹ *Bouteloua americana*

" " "

8976¹ *Andropogon fastigiatus*

Grassy hill

8977¹ *Eleocharis*

Along ditch in town
acts like an introduced plant

8978¹ *Pennisetum canadense*
Cenchrus palleidus

Along road

8979¹ *Gerardia*

Along river in bushes

8980¹ *Paspalum*

Along road

8981¹ *Panicum trichoides*

8982⁵ *Senecio*

8983¹ *Bouteloua disticha*

Acappella - Nov. 23,

8984⁶ *Leptoclethra*

8985⁴ *Juncus*

8986¹ *Leptoclethra filiformis*

8987² *Bouteloua americana* (L.)
Scrub

8988³ *Tragopogon*

in bushes, tall & branching

along road in woods

along road

in a garden - weed

sandy beach

sandy field

grassy road side

Cliff near sea

El Salvador

8989³ *Goumea*

Cape woody hillside

8990¹ *Axonopus*

" " "

8991² *Aristida*

Mossy open ground

8992² *Paspalum* ^{centrale} ~~bracteatum~~

old field

8993⁴ *Panicum* *gambroffii*

" "

8994³ *Goumea*

Samey head - same as
form of 8985

8995¹ *Bouteloua*

Open ground near ocean

8996² *Bouteloua*

"

8997 ~~Cucumis pallidus Four~~
~~Pennisetum~~ ~~Sench~~

Eschmulla - Guad. Nov. 30
8998 ~~Axonopus compressus~~
~~along Ry~~

8999 ~~Eleusine indica~~
~~dell~~

89000 ~~Paspalum conjugatum~~
~~dell~~

9001 ~~Panicum maximum~~
~~dell~~

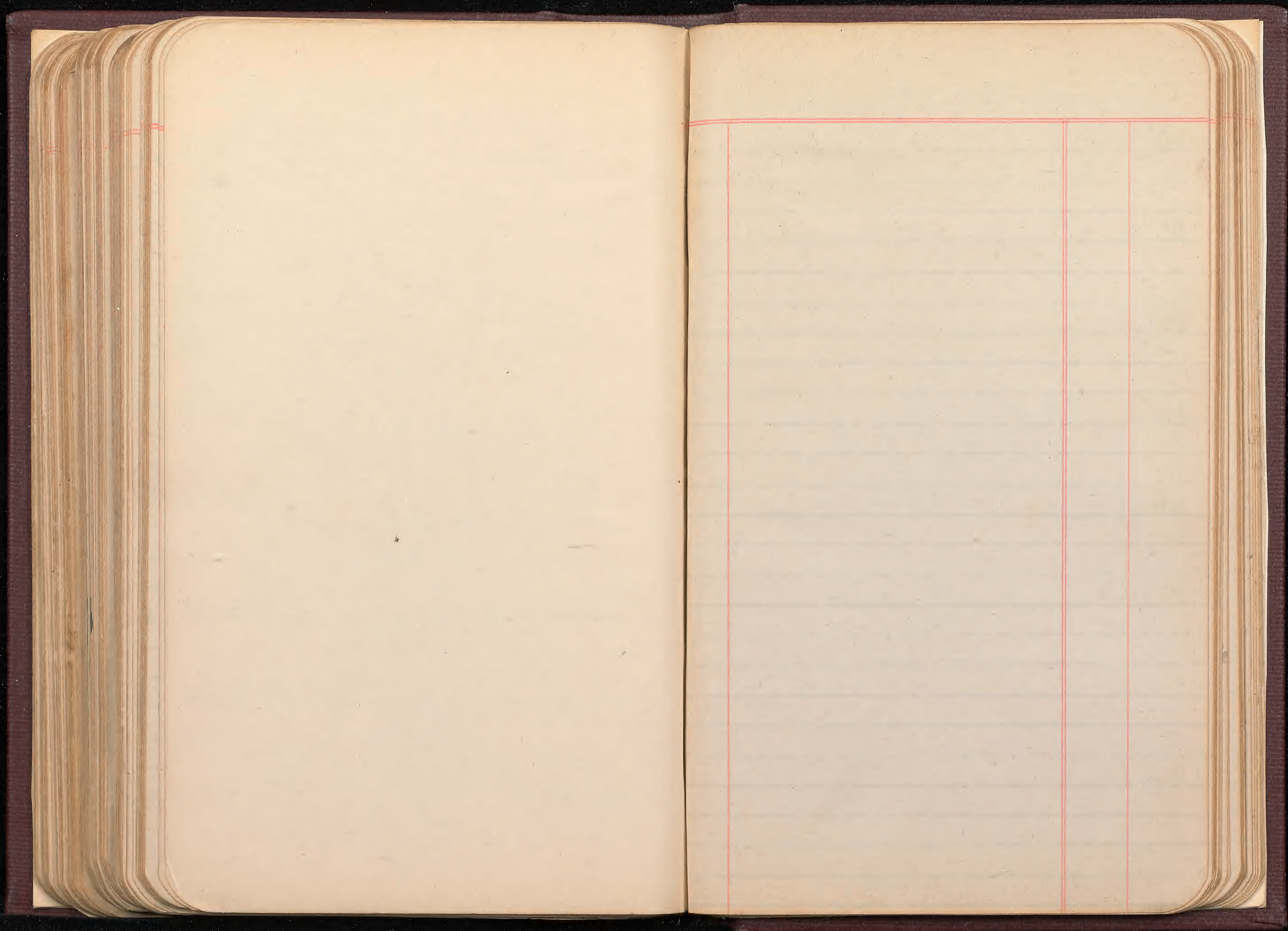
9002 ~~Dyalepis sanguinalis~~
~~dell~~

89003 ~~Cenchrus viridis~~
~~dell~~

89004 ~~Chaetochloa purpurea~~
~~dell~~

all labels
written
ac

nos. 9005-9235



1911

Esmeraldas Guat. Nov. 30

9005 *Cynodon Dactyl*

9006 *Paspal conjugati*

9007 *Panicum barbinod*

9008 *Valerian insularis*

9009 *Ancheplura*

9010 *Inagertia leptocoma*

Guatemala City: Dec

9011 *Andropogon brenifol*

9012 *Sporobolus indicus*

Continued from book 3

Along Ry

9

11

11

11

11

Rocky hill

Open field

9013³ *Muhlenbergia*

corn field

9014¹ *Poa annua*

"

9015² *Paspalum plicatellum*

lucy meadow

9016¹ *Trisetum*

corn field

9017² *Paspalum*

"

9018³ *Andropogon barbinodis*

lucy meadow

9019¹ *Andropogon saccharinus*

"

9020² *Paspalum notatum*

"

9021⁸ Sorghastrum

dry meadows

9022⁴ Andropogon tener

" "

9023¹ Andropogon furcatus

" "

9024⁶ Eleusine

" "

9025⁵ Chaetochloa purp.

" "

9026³ Aristida biennis

open dry meadows

9027⁴ Aristida

" " "

9028² Andropogon sacchar

" " " showing slight white shoots

9029¹ Bouteloua

Rocky hill

9030⁴ Muhlenbergia

" "

9031³ Pteridium

" "

9032² Helianthus

" "

9033² Pasp. leucobolus

" "

9033^{1/2} " aff "

9034¹ Andropogon

" " annual

9035² Epipactis longicaulis (ms)
or fungus on "

" "

9036⁵ Geranium

Hedge

9037' *Poa annua*

9038' *Aristida*

9039' *Chloris*

9040' *Chaetura brownii*

9041' *Agropyron*

9042' *Pennisetum*

9043' *Pennisetum*

9044' *Aphis nebulosa*

Along street

Dry hill

Along street

Dry hill

" "

" "

= 2082 but always " "

Along hedge

Englewood City - Dec. 2

9045⁵ *Lysichiton* (very black)

Deep shady ravine

9046⁶ *Ophrys* (sp. *sp.*)

"

9047⁴ *Sphacelodes*

"

9048¹ *Sorghastrum*

Open bank of stream

9049⁴ *Muhlenbergia*

Deep shady ravine

9050¹ *Pteridium*

Side of ravine

9051¹⁰ *Lonicera virginiana*

Deep shady ravine

9052⁶ *Ophrys* (cr. *cr.*?)

"

"

9053 *Lesium mucronatum?*

Deep shady ravine

9054 *Optimum*
ver

"

9055 *Populeum*

"

9056 *Panicum, nulligenum*

"

9057 *Lesium*

Bushes along road
very short & flower branches

9058 *Perennium*

Dry hill

9059 *Andropogon*

Clay cliff

9060 *Andropogon*

Clay hill

9061' *Muhlenbergia*

dry hill

9062' *Arenaria*

clay hill

9063' *Muhlenbergia* (var. *angustifolia*)

9063 1/2' *Eriogonum*

"

"

9064' *Muhlenbergia*

"

9065' *Hesperaloe*

dry hill

9066' *Andropogon scoparius*

"

9067' *Senecio procumbens*

"

9068' *Eriogonum* (perennial)

"

9069¹ *Dracopis*

9070¹ *Crucis cilicaris*

9071² *Brachiarum plantaginifolium*

9072² *Andropogon endrochus*

9073¹ *Aristida*

9074⁴ *Panicum virgatum* Hack
1st

9075² *Trachypogon*

9076⁴ *Aristida*

Went along R

"

"

Dry hill

"

Bushes on cliff
are very very short
cylindrical
10 feet or more

Rocky cliff

"

Guatemala - Dec. 2

9077 *Pruriolum*

9078² *Paspalum*

9078a " blades shorter

9079² *Paspalum*

9080² *Lasiacis*
Blades long, light
whole branching habit

9081² *Muhlenbergia* (Eriocaulaceae)

9082¹ *Chusquea*

9083¹ *Cinchona ciliolata*

9084¹ *Heliconia ciliolata*

Eureka - 5 miles west of city
Prairie

Wend in corn field
hairy

" "

In brush on hill side
seems different from 9085
pres? Prairie

Side of Barranca

Wend in corn field

along cut - R

9085' *Anabrop. barbinoda*

9086' *Aristida*

9087' *Eleonora*

9088' *Tricholoma*

Gustavus - Dec 3 - Barranca
9089' *Hemilobocaulis*

9090' *Eragrostis ciliaris*

9091' *Eragrostis*

9092' *Muhlenbergia*
~~*Alphragum*~~

Prairie

Ry in cut

Prairie - very abundant
In bulk of the hay cut here
is this species
Along field

sky to N.E.
Along cut in Ry

Along Ry

"

Side of cut

- 9093⁴ *Paspalum*
- 9094¹ *Paspalum paniculatum*
- 9095² *Paspalum*
- 9096¹ *Syntherisma*
- 9097³ *Aristida*
- 9098¹ *Calamagrostis*
- 9099³ *Paspalum mandicora*
- 9100¹ *Eragrostis (cuneata)*

Ditch in cut

" "

" "

" "

" "

" "

" "

Eragrostis viscid

9101⁴ *Lonicera*

On upland scrub. Shoots very
soft hispid. Pan. velvety. Flowers
strongly clustered branches
dry ground.

9102³ *Aristida*

9103² *Myrica*

old field

9104² *Bouleton* (burned)

Prairie

9105³ *Panicum sphaerocarpum*
(no ligule)

scrubby dry woods

9106³ *Panicum* (oleaceum?)

"

9107¹ *Lonicera* (long leaf)

Deep shady ravine

9108¹ *Aegopogon*

Side of cliff

9109¹ *Memblanbergia*

9110² *Aphaneuroglossum*

Volcans - Agua - Solvado
9111¹ *Prachypodium*

9112³ *Trisetum*

9113² *Proserpinaca*

9114³ *Agrostis*
Trisetum

9115² *Poa seleri* Pilg.

9116⁵ *Agrostis*

Prairie

Dry scrubby woods

Guatemala - Dec. 5th
Medium altitudes

High altitudes, in the open
in open woods

High altitudes

Secuente - open grassland

Shade - medium altitudes

Shade - " " "

9117[✓] *Epilobium*

Large clumps at upper
altitudes in open ground

9118² *Festuca*

Large clumps in open woods
at high altitudes

9119¹ *Trisetum*

Upper altitudes

9120⁵ *Calamagrostis*

" "

9121² *Trisetum*

" "

9122¹ —

Middle altitudes

9123¹ *Calamagrostis*

" "

9124¹ *Briza*

Lower & middle altitudes

604

9125 [✓] Sporobolus

Open ground above S. Maria

9126 ⁴ Distichlis

Middle altitude
open woods

9127 ³ Zeuzipia

Shady bank - N. to bet.
Guat. & Antigua

9128 ¹ Trachypogon

" " " "

9129 ¹ Epicarpus

Common in lower altitudes
of Agua above S. Maria -
large clumps

9130 ² Sporobolus

Open ground above
S. Maria

9131 ² Syntleria velutina

" " " "

9132 ¹ Longhauseria

Hills locality of 9129

9133⁴ Muhlenbergia

ditto

9134² Muhlenbergia

Shady bank, near Antigua

9135² Muhlenbergia

Open ground

9136¹ Muhlenbergia = 9135

"

9137² Paspalum

Shady bank - locality of 9127

9138¹ Muhlenbergia stipoides Trin

Hills

9139⁵ Panicum

Shady bank

9140² Epicarpus

Large clump, along road
near Guatemala

9141 *Muehlenbergia*

Open prairie - diller

9142 *Trisetum*

along hills - between
San Antonio & Austin

9143 *Syntherisma velutina*

diller

9144 *Paspalum*

diller in shade

9145 *Proseris*

diller

9146 *Eriocarpus*

diller

P.L. Berrios - Guadalupe
9147 *Panicum chlorotum*

Dec. 9
along ditch - perennial.

9148 *Paspalum (delilei)*

11

9149¹ *Panicum trichanthum*

Swamp.

9150¹ *Paspale fascicul*

"

9151¹ *Axonopus*

dry sandy ground

9152¹ *Syntherisma setosa*

"

9153² *Panicum reconditum*

Swamp.

9154² *Paspalum*

"

9155¹ *Phaeoplyllum*

"

9156³ *Eriachne*

"

9156^{1/2} *Hemilepis aturensis*

"

9157 ^{permutatum} *Perpal. decumbens*

Edge of swamp

9158 *Lepidoblen*

"

9159 *Panicum pilosum*

"

9160 *Panic. laxum*

"

9161 *Perpal. minima*

Scrubby flat near coast

9162 *Bouteloua filifera* (Fourn.)

Along R. near Jacopa

9163 *Imperata* see Guatemala

Along road between Antigua & Guatemala

Culebra - C. Z. Dec. 14

9164 *Chenopodium*

Set

Shady place - straggling & watery - perennial

9165 *Cephus* *crustatus* Shady place ~~perennial~~

9166 *Scheuchzeria* *succedanea* " " perennial

9167 *Scheuchzeria* *terrestris* (Presl) Shady bank - annual
aristate spikelets like *Optunia*!

9168 *Panicum* (*costaricense*) Grassy clay bank, Perennial
large spikes

9169 *Andropogon* *bambusaefolius* Grassy bank

9170 *Gutierrezia* *Lobelia* Det. 15.

Hymenocallis Gutierrezia Swamps. In water
more or less along clay bank

9171 *Isachne* (*trichosperma*) Open grassy swamp near
out house

9172 *Panicum* *polygonum* ~~along by - that house~~
ditto

9173

Chusquea

9174

Lasiacis (long blades)

set

9175

Lasiacis

set

9176

Oryza aff. *latifolia*, spikelets smaller
ligule shorter

9176 1/2

Oryza latifolia

9177

Lasiacis (sweaty) (am)

9178

Panicum

9179

Paspalum

9180

Thysanotloma

Along by-lake forest
all the specimens have spikelets
with short bristles.

Edge of jungle near Sotom.
No strong cane, flowers
4-6 ft high, decumbent, trailing
edge of jungle near Sotom
strong cane. But then specimens
were a cut-off bunch.

Edge of swamp - Sotom Lake

" " " "

Edge of jungle - Sotom

Gynerium in water of swamp
Known also in swamps with *Panicum*
as much as 10 ft. of water. Forms long runners
in water or somewhat separate
mats. Panicles flobose by inflated
bristles.

Cultivated at Caba
a large bunch 6-8 ft.

9181 *Ischnanthus*

9182 *Lasiacis surstyana*

9183 ^{Rottboellia}
Andropogoneae

9184 *Oplismenus*

9185 *Panicum fasciculatum*

9186 *Ischnanthus tenuis* (Presl) th
[fix Pedro Miguel + Corozal labels]

Panicum to Corozal Dec 17

9187 *Andropogon* (Tener)

9188 *Paspalum* (Pettibon)

Banana grove

In jungle

Wet along track

Shady place

Wet in cornfield. 3 specimens
= 1 spkls bright yellow, 2 dark
brown, 3 yellow & brown, all growing
together.

Cliff of rocks.

Panicum - common.

Along bank in *Panicum*

9189 *Andropogon forficatus*

9190 *Andropogon*

9191 ¹⁰ *Guajac (panamaensis)*

9192 ² *Paspalum Thrausa*
Hitchcockii

9193 ³ *Thrausa*

9194 ² *Aristida*

9195 ² *breely grass*

9196 ¹ *Paspalum synth*

Prairie

Prairie

along ditch in prairie

Prairie

Prairie

Prairie

Prairie

"

9197 ³ Muhlenbergia

9198 Isachne

9199 Arundo donella

9200 Panicum (Pulchellum)

sel
9201 Distichlis

9202 Aristida

9203 Sporobolus

9204 Lesica, compacta

Along cut

In water of ditch

Along bank

Shady bank

" "

Along roadside in prairie

" " " "

Scrub near sea

9205 *Sedge*

near Panama along
sea shore

9206³ *Panicum (entadum)*

Sand clay sea shore

9207 *Panicum (sterodside
tenuum)*

Prairie

Set
9208 *Panicum pelesum* *Abasco. La Cumbre Dec 18*

Shady woods - very pubescent

9209 *Orthoclada rariflora*

Along shady damp trail
Panicum not identified but in
bloom - style exserted

Set
9210¹⁴ *Lehmacher*

9211 *Lithochloa paniciflora*

Set
9212¹ *Panicum trichanthum*
with 9206

9213¹ *Thysanotus*

with 9206

9213 - 9250 left blank
~~not used~~

9213 *Pasp. floridanum glabratum*
Terrell, Tex 1904

9214 *Pasp. floridanum glabratum*
Galveston Tex 1903

9215 *Pasp. giganteum*
Fort Myers in 1900

9216 *Pasp. plicatulum*
Alachua Co Fla. 1898

9217 *Pasp. ^{giganteum} plicatulum*
Hernando Co - 1898

9218 *Pasp. plicatulum*
College Station Tex 1903

9219 *Pasp. plicatulum*
Corpus to Santa Tex 1904

9220 *Pasp. plicatulum*
Galveston Tex 1903

9221

Muhlenbergia laxiflora Scribn. Rocky pine woods
 Sanchez, Chihuahua Mex. large tufts Oct 13, 1910

9222

Pasp. boscanum Poir
 Wilmington NC 1905

9223

Pasp. boscanum Poir
 Orangeburg SC Aug 1905

123 HHC
 30

9224

Pasp. boscanum Poir
 Stone Mt Ga Aug 1905

9225

Pasp. boscanum
 Mobile Ala Aug 1904

9226

Pasp. boscanum
 Chehaw Ala 1904

9227

Pasp. boscanum
 Tyronville Ala 1904

9228

Pasp. bifidum
 Orangeburg Aug 1905

1912

Chain Bridge Va
May 30, 1912

9229 Festuca

9230 Pan beeknellii
dry hill open woods

9231 Panicum barbatum Dry
same

9232 *Panicum annulum*
Panicum annulum Michx
same

9233 Eragrostis eragrostis
wet ground Bethel
Aug 22 Md

9234

9235 Pasp bifidum
Fort Myers Fla 1900

9236

9237

9238

9239

9240

9241

9242

9243

9244

9245

9246

9247

9248

9249

9250

~~9251~~

See next book
for succeeding numbers

~~9252~~

9

9253

92

9254

92

9255

92

9256

92

9257

925

9258

925

9259

925

9260



